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January 25, 2007

Utah Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

GB #1M-4-8-22R Section 4-T8S-R22E Uintah County, Utah

To Whom It May Concern:

In reference to the State Oil and Gas Conservation rule R649-3-3 Questar Exploration and Production Company's GB #1M-4-8-22R is an exception to this rule due to topography.

There are no additional lease owners within 460' of the proposed location. If you have any questions, please contact Debbie Stanberry at (303) 308-3068, (303) 241-1336 cell.

Thank you.

Sincerely,

Debra K. Stanberry

Supervisor, Regulatory Affairs

Attachment.

RIG SKID

Form 3160-3 (April 2004)

la. Type of Work:

1b. Type of Well;

3a. Address

1571 E 1700 S

Name of Operator

location to nearest

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0137 Expires: March 31,2007

5. Lease Serial No. **BUREAU OF LAND MANAGEMENT** UTU-02510A APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. X DRILL REENTER White River Unit 8. Lease Name and Well No. Oil Well X Gas Well Other X Single Zone Multiple Zone GB 1M-4-8-22R 9. API Well No 43-047-38990 QUESTAR EXPLORATION AND PRODUCTION COMPANY 3b. Phone No. (include area code) VERNAL UT 84078 (303) 308-3068 Location of well (Report location clearly and In accordance with any State requirements.*) 11. Sec., T., R., M., or Blk. And Survey or Area 40.157650 433161 ¥ Sec. 4 TRS R22E SLBM At proposed prod. zone -101.436473 14. Distance in miles and direction from the nearest town or post office 12. County or Parish 13. State +/- 34 miles southeast of Vernal, Utah Uintah Utah 15. Distance from proposed* 16. No. of acres in lease 17. Spacing Unit dedicated to this well property or lease line, ft. (Also to nearest drlg. unit line, if any) 474" 907.83 18. Distance from proposed location* 19. Proposed Depth 20. BLM/ BIA Bond No. on file to nearest well, drilling, completed, applied for, on this lease, ft. +/- 1500' ESB000024 21. Elevations (Show whether DF, RT, GR, etc.) 22. Aproximate date work will start* 23. Estimated duration immediately upon approval 75 days

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.

graded ground 5168'

- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by existing bond on file(see item 20 above).
- 5. Operator certification,

	authorized	officer.	o or plans as may	be required by the a
25. Signature	Name (Printed/Typed)	Debra K. Stanberry	Date	1/23/2007
Title Supervisor, Regulatory Affilia				
Approved Bly Mighantrei	Name (Printed/Typed) BRADLEY G	. HILL	Date _	75-07
Title	OfficeNVIRONMENTAL N			05 0 1

24. Attachments

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to ce operations thereon.

Conditions of approval, if any, are attached.

itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Unite States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction,

^{* (}Instructions on page 2)

T8S, R22E, S.L.B.&M. CC 1938 Brass Cap 0.6' High, Mound of Stones 1938 Brass Coo. 1.2' High, Pile -S89'59'48'E 339.55' (Meas.) 775 N8956'30"E - 2639.08' (Meas.) of Stones N89°57'02"E - 2642.89' (Meas.) 1938 Bross Coo 2" Bent Ploe T8S 1.6' High Buried 1.0 Deep. Cap Missing LOT 1 LOT 3 LOT 2 LOT 4 GB #1M-4-8-22R Elev. Graded Ground = 5168' LOT 5 LOT 6 LOT 7 LOT 8

(NAD 83)

(NAD 27)

Brass Cap

LEGEND:

= 90° SYMBOL

LOT 9

S00'01'15"E 175.72' (Meas.)

LOT 10

LOT 11

NO1'55'07"W 176.13" (Meas.)

S89'57'33"W - 2974.55' (Meas.)

1938 Brass Cap 0.7° High

1938 Brass Cap 0.8' High

(Meas.)

2640.11"

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Y0071700N

QUESTAR EXPLR. & PROD.

Well location, GB #1M-4-8-22R, located as shown in Lot 8 of Section 4, T8S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

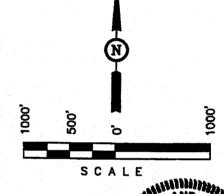
BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

1938 Bross Cap.

Q.S. High. Pile

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



REVISED: 01-23-07 S.L.

1938 Brass Cap, 0.4" High, Pile

of Stones

LATITUDE = $40^{\circ}09^{\circ}27.34^{\circ}$ (40.157594)

LATITUDE = 40'09'27.47" (40.157631) LONGITUDE = 109'26'11.60" (109.436556)

PROPOSED WELL HEAD.

WEST - 2640.00' (G.L.O.)

SECTION CORNERS LOCATED.

LONGITUDE = 109'26'14.07" (109.437242) 0

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-21-06	DATE DRAWN: 06-21-06
PARTY N.H. D.B. D.R.B	REFERENCES G.L.O. PLA	r
WEATHER WARM	FILE QUESTAR EXPL	R. & PROD.

Additional Operator Remarks

Questar Exploration and Production Company proposes to drill a well to 16,700' to test the Mancos. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See Onshore Order No. 1 attached

Please be advised that Questar Exploration and Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. ESB000024. The principal is Questar Exploration and Production Company via surety as consent as provided for the 43 CFR 3104.2.

This well is a replacement well for the GB 1M-4-8-22.

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

Uinta Surface Green River 3,260' Wasatch 6,560' Mesaverde 9,295' Sego 11,650' Castlegate 11,895' Blackhawk 12,375' Mancos Shale 12,775' Mancos B 13,125' Frontier 15,900'	Formation			Depth_
Wasatch 6,560' Mesaverde 9,295' Sego 11,650' Castlegate 11,895' Blackhawk 12,375' Mancos Shale 12,775' Mancos B 13,125' Frontier 15,900'	Uinta			
Mesaverde 9,295' Sego 11,650' Castlegate 11,895' Blackhawk 12,375' Mancos Shale 12,775' Mancos B 13,125' Frontier 15,900'	Green River			3,260°
Sego 11,650° Castlegate 11,895° Blackhawk 12,375° Mancos Shale 12,775° Mancos B 13,125° Frontier 15,900°	Wasatch			6,560°
Castlegate 11,895' Blackhawk 12,375' Mancos Shale 12,775' Mancos B 13,125' Frontier 15,900'	Mesaverde			9,295
Blackhawk 12,375' Mancos Shale 12,775' Mancos B 13,125' Frontier 15,900'	Sego			11,650
Mancos Shale 12,775' Mancos B 13,125' Frontier 15,900'	Castlegate			11,895
Mancos B 13,125' Frontier 15,900'	Blackhawk			12,375
Frontier 15,900'	Mancos Shale			12,775
10,500	Mancos B			13,125
TD 16 700°	Frontier			15,900'
10,700	TD			16,700°

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	Depth
Gas	Wasatch	6,965
Gas	Mesaverde	9,835
Gas	Blackhawk	13,035
Gas	Mancos Shale	13,475
Gas	Mancos B	14,060'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will

DRILLING PROGRAM

be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment:

- A. 13-5/8" 5000 psi double gate, 5,000 psi annular BOP (schematic included) from surface hole to 9-5/8" casing point.
- B. 11" 10,000 psi double gate, 10,000 psi single gate, 10,000 psi annular BOP (schematic included) from 9-5/8" casing point to total depth.
- C. Functional test daily
- D. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- E. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 10M system and individual components shall be operable as designed.

4. <u>Casing Design:</u>

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.
26"	20"	sfc	40-60°	Steel	Cond.	None	Used
17-1/2"	13-3/8	sfc	500'	54.5	K-55	STC	New
12-1/4"	9-5/8"	sfc	6700'	47	HCP-110	LTC	New

DRILLING PROGRAM

8-1/2"	7"	6000'	9000'	26	HCP-110	LTC	New
8-1/2"	7"	9000'	12,000'	29* SDrift	HCP-110	LTC	New
6-1/8"	4-1/2"	sfc	13,700'	15.1	P-110	LTC	New
6-1/8"	4-1/2"	13,700°	16,700'	15.1	Q-125	LTC	New

Casing S	trengths:			Collapse	Burst	Tensile (minimum)
13-3/8"	54.5 lb.	K-55	STC	1,130 psi	2,730 psi	547,000 lb.
9-5/8"	47 lb.	HCP-110	LTC	7,100 psi	9,440 psi	1,213,000 lb.
7"	26 lb.	HCP-110	LTC	7,800 psi	9,950 psi	693,000 lb.
7"	29 lb.*	HCP-110	LTC	9,200 psi	11,220 psi	797,000 lb.
4-1/2"	15.1 lb.	P-110	LTC	14,350 psi	14,420 psi	406,000 lb.
4-1/2"	15.1 lb.	Q-125	LTC	15,840 psi	16,380 psi	438,000 lb.

* Special Drift

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125 BURST: 1.10 TENSION: 1.80

Area Fracture Gradient: 0.9 psi/foot Maximum anticipated mud weight: 15.4 ppg Maximum surface treating pressure: 12,500 psi

5. Auxiliary Equipment

- A. Kelly Cock yes
- B. Float at the bit no
- C. Monitoring equipment on the mud system visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor yes
- E. Rotating Head yes

DRILLING PROGRAM

If drilling with air the following will be used:

- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 15.4 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores none anticipated
- B. DST none anticipated
- C. Logging Mud logging 4500' to TD GR-SP-Induction, Neutron Density, FMI
- D. Formation and Completion Interval: Mancos interval, final determination of completion will be made by analysis of logs.
 Stimulation Stimulation will be designed for the particular area of interest as encountered.

7. <u>Cementing Program</u>

20" Conductor:

Cement to surface with construction cement.

DRILLING PROGRAM

13-3/8" Surface Casing: sfc – 500' (MD)

Slurry: 0' - 500'. 610 sxs (731 cu ft) Premium cement + 0.25 lbs/sk Flocele + 2% CaCl₂ Slurry wt: 15.6 ppg, slurry yield: 1.20 ft³/sx, slurry volume: 17-1/2" hole + 100% excess.

9-5/8" Intermediate Casing: sfc - 6700' (MD)

Lead Slurry: $0^{\circ} - 6,450^{\circ}$. 1374 sks (4040 cu ft) Rockies LT cement + 0.25 lb/sk Flocele. Slurry wt: 11.5 ppg, Slurry yield: 2.94 ft³/sk, Slurry volume: 12-1/4" hole + 100% excess. **Tail Slurry:** 6,450' - 6,700'. 80 sks (157 cu ft) Rockies LT cement + 0.25 lb/sk Flocele. Slurry wt: 13.0 ppg, Slurry yield: 1.99 ft³/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: 6000 - 12,000' (MD)

Foamed Lead Slurry 2: 6,000' - 11,500'. 540 sks (1046 cu ft) 50/50 Poz Premium + 5 lb/sk silicalite compacted light weight additive + 20% SSA-1 additive + 0.3% FDP-C766-05 fluid loss + 0.2% Versaset thixotropic additive + 1.5% Zonesealant 2000 foamer. Slurry wt: 14.3 ppg, foamed 11.5 ppg, Slurry yield: 1.48 ft³/sk, Slurry yield foamed: 1.96 ft³/sk, Slurry volume: 8-1/2" hole + 50% excess.

Tail Slurry: 11,500' - 12,000'. 42 sks (70cu ft) of 50/50 Poz Premium + 5 lb/sk silicalite compacted light weight additive + 20% SSA-1 additive + 0.3% FDP-C766-05 fluid loss + 0.2% Versaset thixotropic additive. Slurry wt: 14.3 ppg, Slurry yield: 1.48 ft³/sk, Slurry volume: 8-1/2" hole + 50% excess.

Top Out Cement: 75 sks (117 cu ft) Premium cement + 10 lb/sk gilsonite + 12% Cal-Seal 60 + 3% CaCl₂.

4-1/2" Production Casing: sfc - 16,700' (MD)

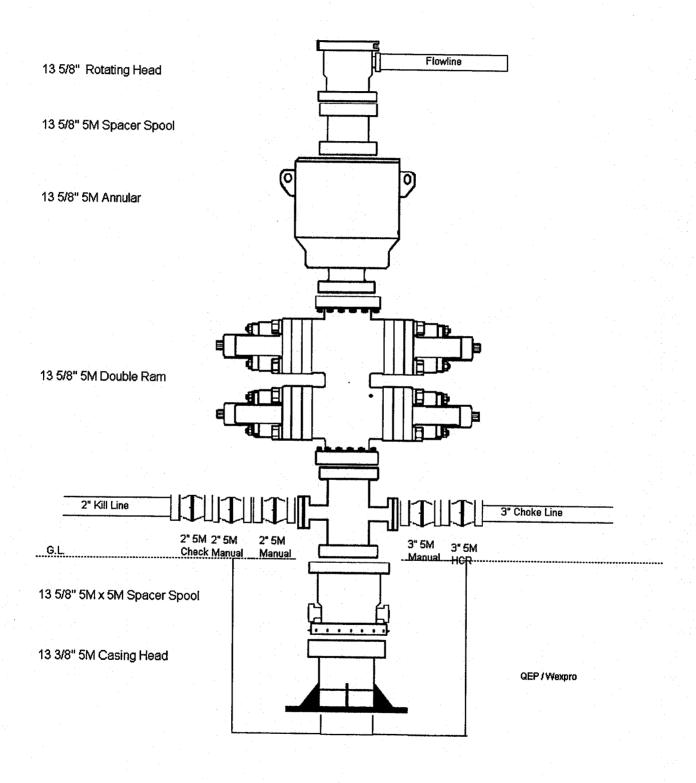
Lead/Tail Slurry: 6,500 - 16,700'. 995 sks (1630 cu ft) Premium Cement + 0.5% HR-12 retarder + 35% SSA-1 + 0.2% Suspend HT + 0.4% Halad(R)-344 fluid loss + 0.3% Halad(R)-413 fluid loss + 0.4% Super CBL gas migration + 0.2% HR-25 retarder. Slurry wt: 15.25 ppg, Slurry yield: 1.64 ft³/sk, Slurry volume: 6-1/8" hole + 25% in open hole section.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate string and 5,000' on the production string. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 13,400 psi. Maximum anticipated bottom hole temperature is 320° F.

DRILLING PROGRAM

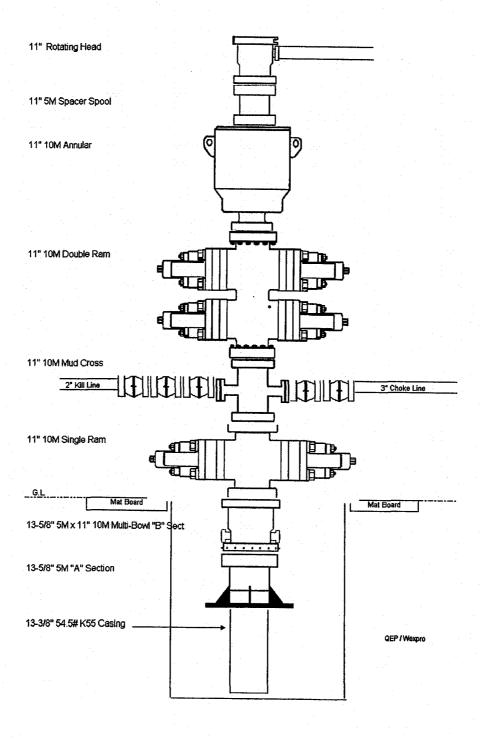


DRILLING PROGRAM

Purpose:

The stack arrangement with the 7" liner hanger allows an 11" stack to fit in the sub of Ensign 24 and True 32. This arrangement requires using a 5000 psi 13-5/8 double gate stack until the 9-5/8" is set. After the 9-5/8" casing is set, a spacer spool is nippled down and an 13-5/8" 5000 psi x 13-5/8" 10,000 psi "B" section is nippled up. The 11" 10K stack is nippled up on top of the "B" section.

BOP Requirements:



QEP UINTA BASIN, INC.
GB 1M-4-8-22R
1147' FNL x 474' FWL
LOT 8, SECTION 4, T8S, R22E
UINTAH COUNTY, UTAH
LEASE # UTU-02510-A

ONSHORE ORDER NO. 1

MULTI - POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the GB 1M-4-8-22 on July 20, 2006. Weather conditions were warm and clear at the time of the onsite. In attendance at the inspection were the following individuals:

Paul Buhler

Bureau of Land Management

Dixie Sadlier

Bureau of Land Management

Jan Nelson

QEP Uinta Basin Inc.

1. Existing Roads:

The proposed well site is approximately 34 miles southeast of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 - mile radius.

There will be no improvements made to existing roads.

2. Planned Access Roads:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Refer to Topo Map B for the location of the proposed access road.

The proposed access road is under Right-Of-Way UTU-81241.

3. Location of Existing Wells Within a 1 - Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Refer to Topo Map D for the location of the proposed pipeline.

The proposed pipeline is under Right-Of-Way UTU-81262.

QEP requests a surface pipeline based on the following justification included in the attached "Request for Exception".

5. Location and Type of Water Supply:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

6. Source of Construction Materials:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

7. Methods of Handling Waste Materials:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

8. Ancillary Facilities:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

10. Plans for Reclamation of the Surface:

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Interim Reclamation

Please see attached Interim Reclamation plan.

Once the well is put onto production, QEP will reclaim as much of the well pad as possible that will allow for operations to continue in a safe and reasonable manner. Reseeding will be done in the spring or fall of every year to allow winter precipitation to aid in the succuss of reclamation.

Seed Mix:

Interim Reclamation:
9 lbs Hycrest Crested Wheatgrass
3lbs Forage Kochia
Final Reclamation:
Seed Mix # 5 4 lbs. Gardner Saltbush, 4 lbs. Hycrest Crested Wheat Grass, 4 lbs. Shadscale

11. Surface Ownership:

Bureau of Land Management 170 South 500 East Vernai, Utah 84078 (435) 781-4400

12. Other Information

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A class III paleontological survey was conducted by Montgomery Archaeolory Consultants. A copy of this report was submitted directly to the appropriate agencies by Rod Scheetz. The inspection resulted in the location of no fossil resources. However, suggest the construction be monitored while construction is disturbing the Myton Member of the Uinta Formation. QEP will provide paleo monitor.

There is a Ferruginous Hawk Stipulation from March 1st to July 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

QEP will construct reservoir near corner # 3. Install culvert as spillway. Reroute drainage around corner # 2. Install culvert as needed, use minimum 18" culvert. Contact Paul Buhler with BLM before construction begins.

Lessee's or Operator's Representative:

Debra K. Stanberry
Questar Exploration and Production Company
Denver, Colorado
(303) 308-3068

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Questar Exploration and Production Company will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Questar Exploration and Production Company, its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

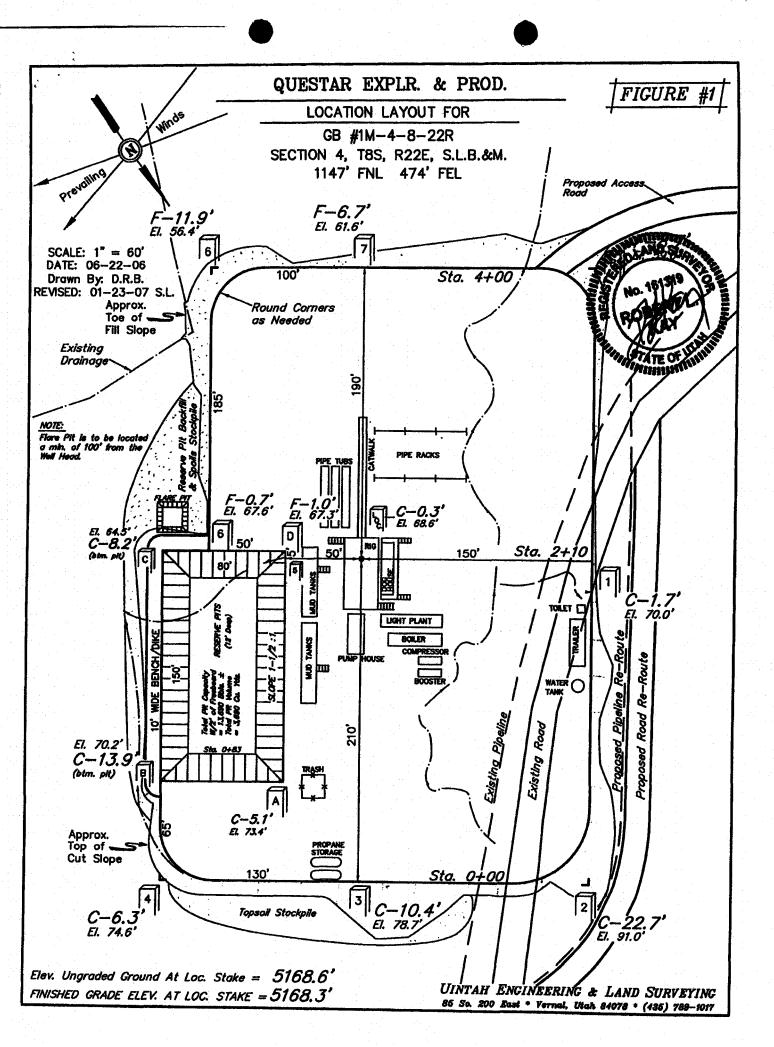
Debra K. Stanberry

Supervisor, Regulatory Affairs

Questar Exploration and Production Company

23-Jan-07

Date



QUESTAR EXPLR. & PROD.

GB #1M-4-8-22R

LOCATED IN UINTAH COUNTY, UTAH SECTION 4, T8S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



Uintah Engineering & Land Surveying

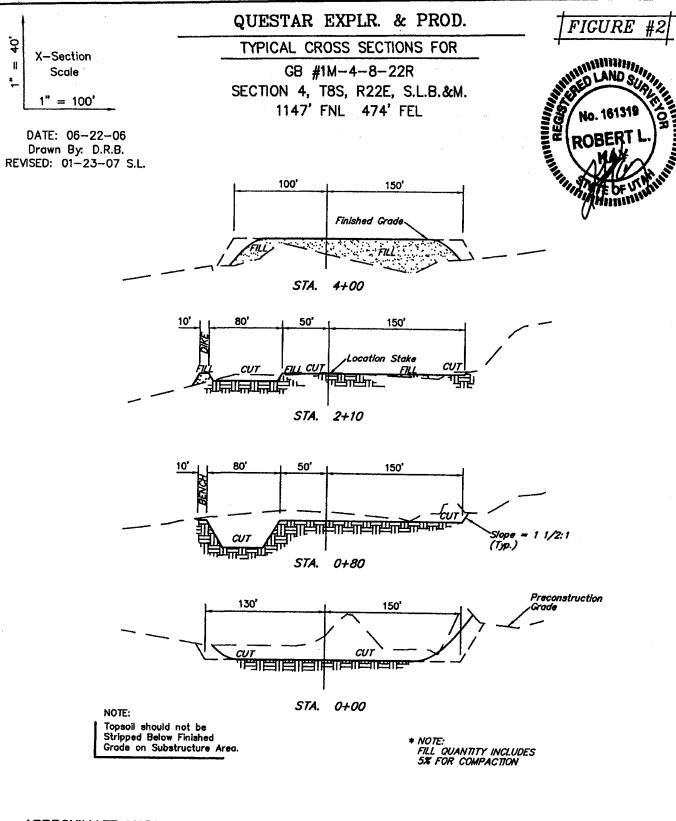
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

O1 14 03 MONTH DAY YEAR

TAKEN BY: D.K. | DRAWN BY: P.M. | REV: 06-23-06 L.K.

РНОТО



APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 2,320 Cu. Yds. Remaining Location = 10,620 Cu. Yds.

TOTAL CUT

= 12,940 CU.YDS.

FILL

8,770 CU.YDS.

EXCESS MATERIAL

= 4,170 Cu. Yds.

Topsoil & Pit Backfill

= 4,170 Cu. Yds.

(1/2 Pit Vol.)

EXCESS UNBALANCE

O Cu. Yds.

(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

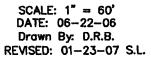
QUESTAR EXPLR. & PROD.

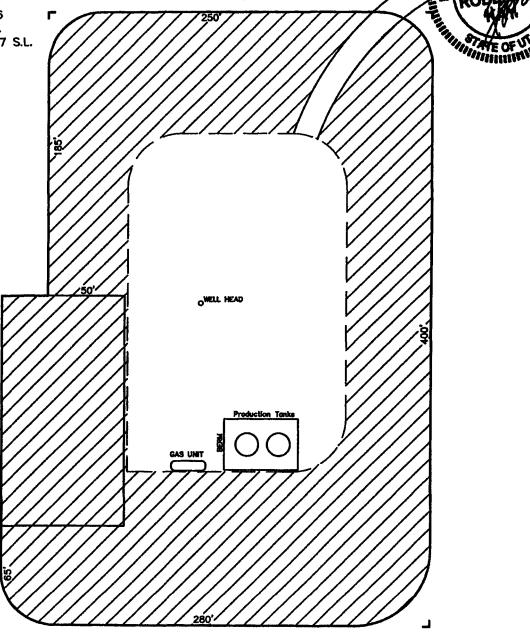
FIGURE #3



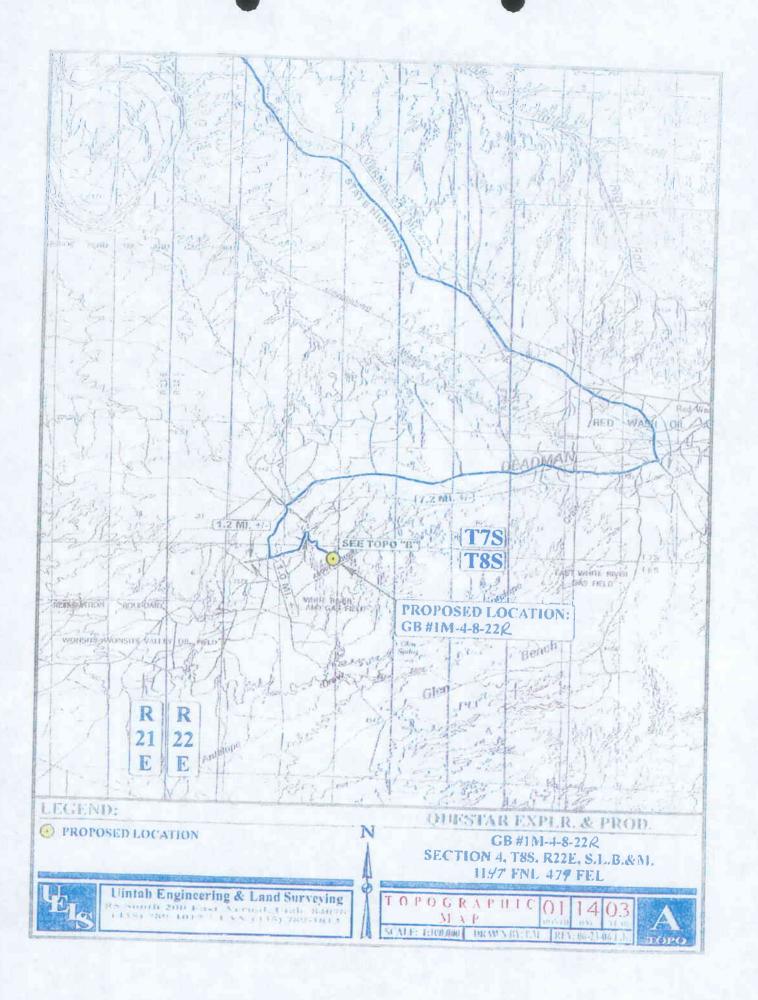
GB #1M-4-8-22R SECTION 4, T8S, R22E, S.L.B.&M. 1147' FNL 474' FEL

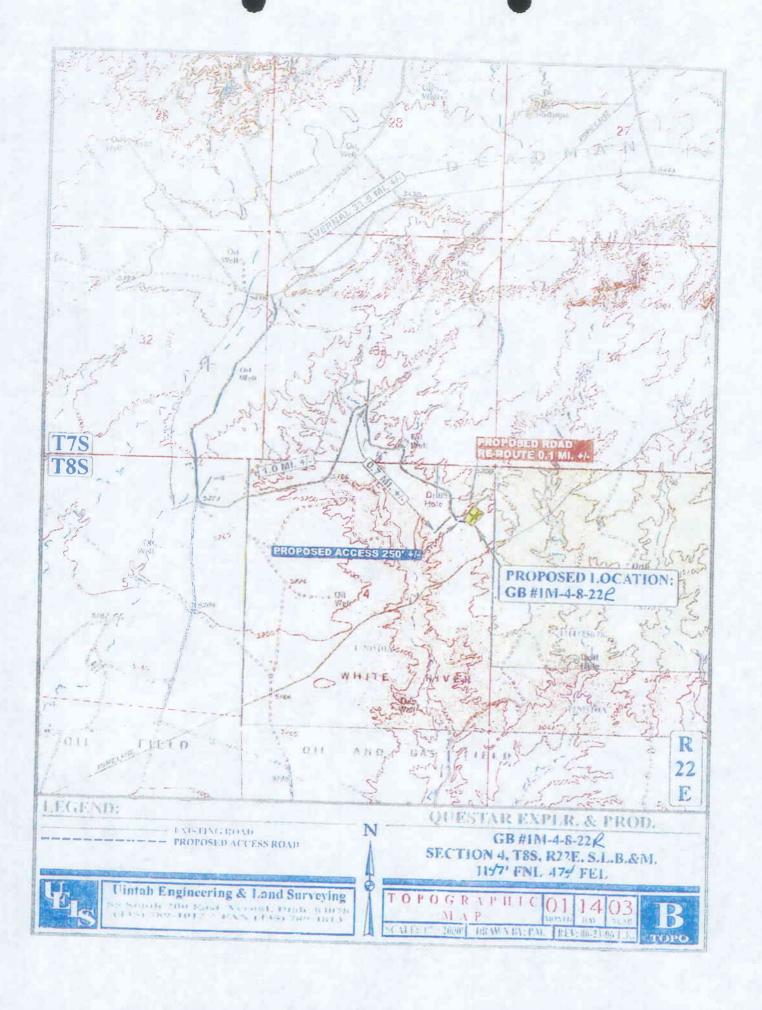


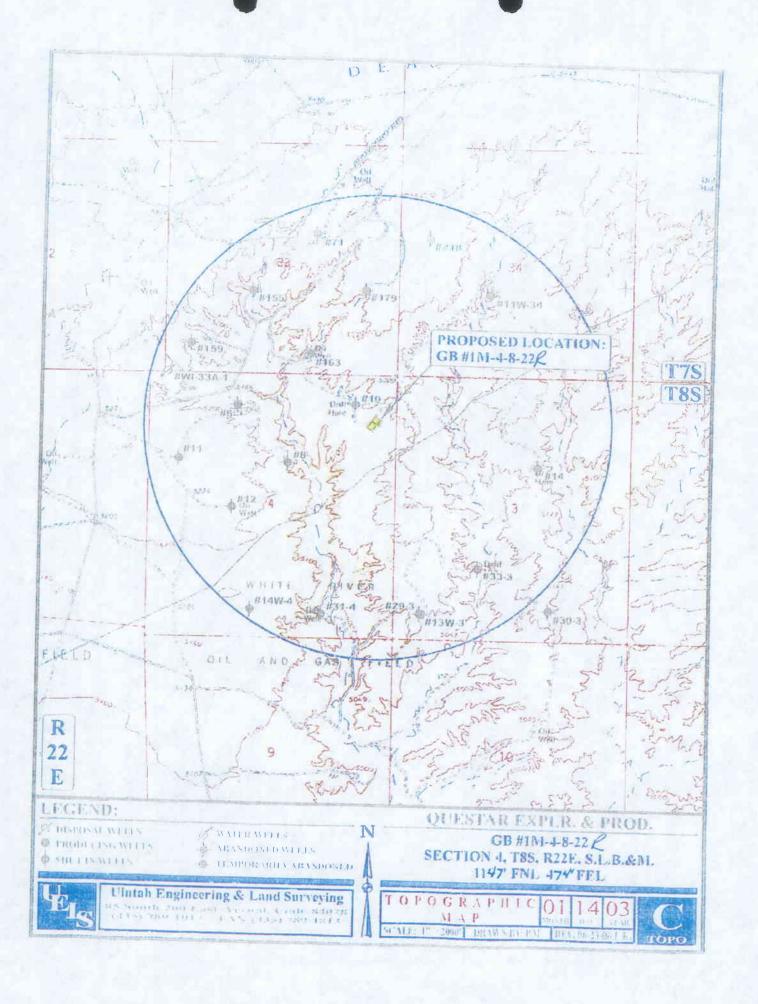


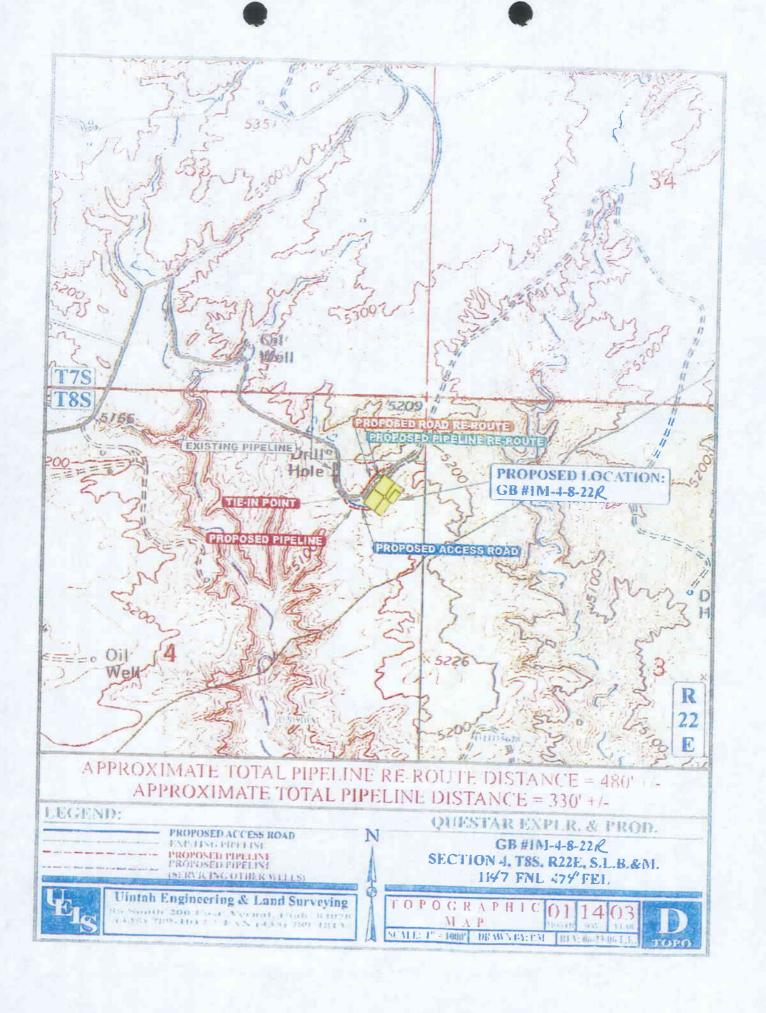




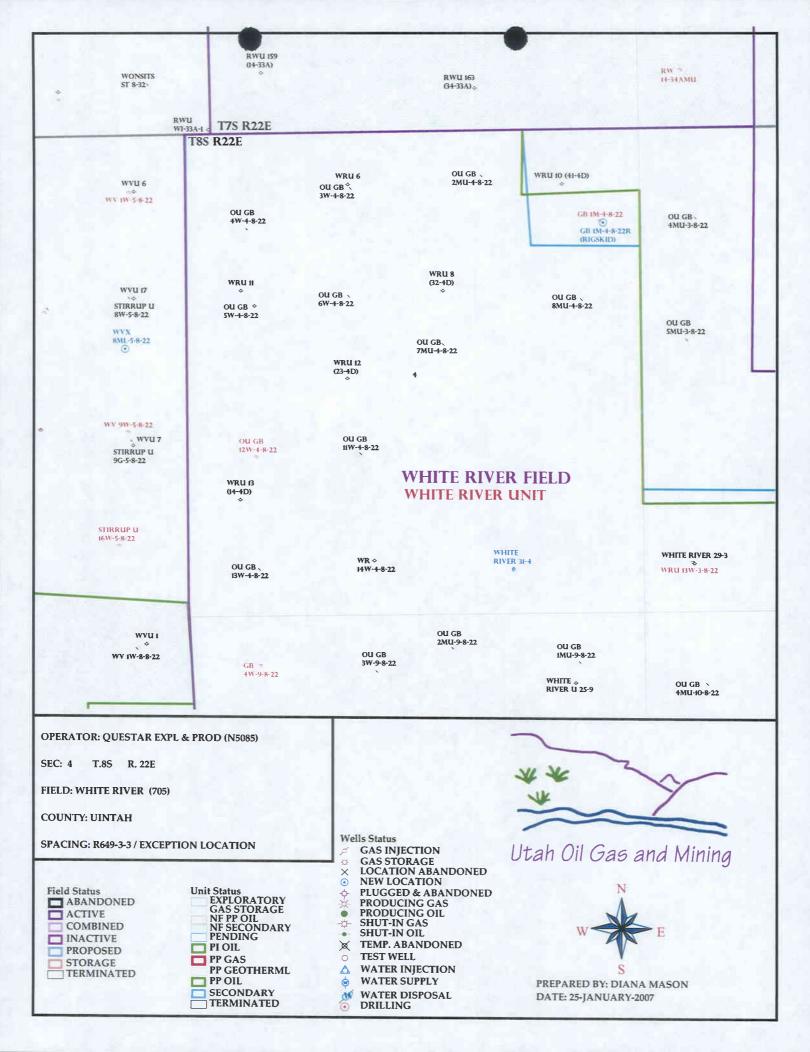








APD RECEIVED: 01/24/2007	API NO. ASSIGNED: 43-047-38990
WELL NAME: GB 1M-4-8-22R (RIGSKID)	
OPERATOR: QUESTAR EXPLORATION & (N5085	PHONE NUMBER: 303-308-3068
CONTACT: DEBRA STANBERRY	
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
NENE 04 080S 220E	Tech Review Initials Date
SURFACE: 1147 FNL 0474 FEL BOTTOM: 1147 FNL 0474 FEL	Engineering
COUNTY: UINTAH	Geology
LATITUDE: 40.15765 LONGITUDE: -109.4365	Geology
UTM SURF EASTINGS: 633161 NORTHINGS: 4446	Surface
FIELD NAME: WHITE RIVER (705)
LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-02510A SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: MNCS COALBED METHANE WELL? NO
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:
Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. ESB000024) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. 49-2153) RDCC Review (Y/N) (Date:) HIP Fee Surf Agreement (Y/N) IND Intent to Commingle (Y/N)	R649-2-3. Unit: WHITE RIVER R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit Board Cause No: Eff Date: Siting: R649-3-11. Directional Drill
STIPULATIONS: 1- factor Space of Space	eprusió hip





State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.

GARY R. HERBERT Lieutenant Governor

January 25, 2007

Questar Exploration & Production Company 1571 E 1700 S Vernal, UT 84078

Re:

GB 1M-4-8-22R Well, 1147' FNL, 474' FEL, NE NE, Sec. 4, T. 8 South,

R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38990.

Sincerely,

Gil Hunt

Associate Director

StyTH

pab Enclosures

cc:

Uintah County Assessor (via e-mail)

Bureau of Land Management, Vernal District Office

Operator:	Questar	Exploration & Production	on Company
Well Name & Number	GB 1M	-4-8-22R	
API Number:	43-047	-38990	
Lease:	UTU-0	2510A	
Location: NE NE	Sec. 4	T. 8 South	R. _22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Form 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004- 0137

Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Lease S	erial No.	
	UTU 02510A	
If Indian	, Allottee, or Tribe Name	
	n/a	
1011 1	OA A	

Do I	not use this form for proposals	to drill or to re-er	nter an	6. If Indian, Allotte	
aban	doned well. Use Form 3160-3 (A	APD) for such pro	posals.	7 If II-it or CA A	n/a greement Name and/or No.
SUBMIT IN TR	RIPLICATE - Other Instruction	s on reverse sid	е.	White River	
1. Type of Well	Other			8. Well Name and	No.
Oil Well X Gas Well	Other			GB	1M-4-8-22R
2. Name of Operator	HOTION COMPANIV			9. API Well No.	111111
QUESTAR EXPLORATION AND PRODU	UCTION COMPANY	3b. Phone No. (inclu	de area code)	1	,
3a. Address 1571 E 1700 S]	08-3068		43-047-38990
VERNAL UT 84078		303-3		10. Field and Pool	, or Exploratory Area
4. Location of Well (Footage, Sec., T., F.	R., M., or Survey Description)	Lat.	40.157594	11. County or Pari	White River
Lot 8 1147'	474' 4 T8S R	22E Long.	109.437242	UINTA	
FNL	FEL	VATURE OF NO	TICE DEDORT O		
12. CHECK APPROPE	RIATE BOX(S) TO INDICATE			KOIIILKDAI	
TYPE OF SUBMISSION		T	YPE OF ACTION		····
Notice of Intent	Acidize	Deepen	Production (St	tart/ Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
		-	Recomplete		X Other
X Subsequent Report	Casing Repair	New Construction			
	Change Plans	Plug and abandon	Temporarily A		SURFACE CASING
Final Abandonment Notice 13. Describe Proposed or Completed	Convert to Injection	Plug back	Water Disposa		CEMENTING PROGRAM
determined that the site is ready for five the street of the third was not able to us services was avail in this well. This call better than the ci	ved operations. If the operation results of Abandonment Notice shall be filed in its inspection.) ACEMENT WELL. DUE TO SE ITS NORMAL SERVICE LABLE AND PUMPED THE CEMENT PROGRAM VARIED EMENT SLURRY PROPOSE AND PUMPED THE CEMENT SLURRY PROPOSE SEMENT SLURRY PROPOSE AND ADDRESS OF THE PROPOSE SEMENT STATES OF THE PROPOSE	O THE EXTRAC COMPANY FO ATTACHED C ES FROM THE ED IN OUR APE	ORDINARY CIRC R THIS WORK. EMENT SLURR' APPROVED API).	CUMSTANCE: HALLIBURT Y TO SET SUI D BUT IS EQU	S, QUESTAR ON ENERGY RFACE CASING JAL TO OR
Tiouse continue 2 and a second	•				N 3 1 2007
				DIV. OF OI	L, GAS & MINING
14. I hereby certify that the foregoing is Name (Printed Typed)	true and correct.				
	20	Title		Regulatory Affairs S	Supervisor
Debra K. Stanberry Signature	2 Jan	Date		January 30, 2	007
	THIS SPACE POR	FEDERAL OR	STATE OFFICE U		
Approved by Conditions of approval, if any are atta	sched Approval of this notice does no	Title		JD	ate
certify that the applicant holds legal o	r equitable title to those rights in the specificant to conduct operations	subject lease Office thereon.			
Title 18 U.S.C. Section 1001 AND	Title 43 U.S.C. Section 1212, make it tements or representations as to any matter	a crime for any per within its jurisdiction.	rson knowingly and wi	llfully to make any	department or agency of the United

Questar Exploration And Prod PO Box 45601 Salt Lake City, Utah 84145-0601

Glen Bench 1♥4-8-22€1♥4-8-22€ Glen Bench Field Uintah County, Utah United States of America

Surface Casing Recommendation

Prepared for: Jim Davidson

January 23, 2007

Version: 1

Submitted by: Rory Cook Halliburton Energy Services 1085 E Main Vernal, Utah 84078 435.789.2550

HALLIBURTON

Job Information		Surface Casing
Glen Bench 1 1 4-8-22 \mathcal{R}	1D 4-8-22	
17.5" Open Hole Inner Diameter Job Excess	0 - 500 ft (MD) 17.500 in 100 %	
Surface Casing Outer Diameter Inner Diameter Linear Weight	0 - 500 ft (MD) 13.375 in 12.615 in 54.50 lbm/ft	

Calculations

Surface Casing

C	nacer:	
J	pacci.	

Total Spacer = 112.29 ft^3

= 20.00 bbl

Cement: (500.00 ft fill)

 $500.00 \text{ ft} * 0.6946 \text{ ft}^3/\text{ft} * 100 \%$ = 694.64 ft^3 Lead Cement = 694.64 ft^3 = 123.72 bbl

Shoe Joint Volume: (0.00 ft fill)

Tail plus shoe joint $0.00 \text{ ft} * 0.868 \text{ ft}^3/\text{ft} = 0.00 \text{ ft}^3 = 0.00 \text{ bbl}$ $= 694.64 \text{ ft}^3 = 123.72 \text{ bbl}$

Total Tail = 500 sks

Total Pipe Capacity:

 $500.00 \text{ ft} * 0.868 \text{ ft}^3/\text{ft}$ = 433.98 ft³ = 77.30 bbl

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint = 77.30 bbl - 0.00 bbl

= 77.30 bbl

Job Recommendation

Fluid Instructions

Surface Casing

Tidia histiactions		
Fluid 1: Water Based Spacer		
Gel Fluid Density:	8.40 lbm/gal	
·	Fluid Volume:	20 bbl
Fluid 2: Cement		
Premium Plus Cement	Fluid Weight	14.50 lbm/gal
94 lbm/sk Premium Plus Cement (Cement)	Slurry Yield:	1.39 ft ³ /sk
0.2 % Versaset (Thixotropic Additive)	Total Mixing Fluid:	6.78 Gal/sk
0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)	Top of Fluid:	0 ft
·	Calculated Fill:	500 ft
	Volume:	123.72 bbl
	Calculated Sacks:	499.74 sks
	Proposed Sacks:	500 sks
Fluid 3: Water Spacer		
Displacement	Fluid Density:	8.33 lbm/gal

Tiulu	٦.	** 6	itt	Spacei
Displ	ace	me	nt	

Fluid Volume: 77 bbl

Fluid 4: Top Out Cement

Premium Plus Cement Fluid Weight 14 lbm/gal Slurry Yield: $1.51 \text{ ft}^3/\text{sk}$ 94 lbm/sk Premium Plus Cement (Cement) Total Mixing Fluid: 7.71 Gal/sk Proposed Sacks: 200 sks

Job Procedure

Surface Casing

Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Spacer - Wbm	8.4		20 bbl
2	Cement	Lead Cement	14.5	5.0	500 sks
3	Spacer	Displacement Fluid	8.3		77 bbl
4	Cement	Top Out Cement	14.0	3.0	200 sks

<u>UINTA BASIN - OPERATIONS REPORT - 1/17/07 - 1/31/07</u>

CONFIDENTIAL - 'TIGHT HOLE'

"Drilling Activity Only":

· Olp 485 22e 43-047-35162 43-047-38990

2/21/08 True 32 - GB 1M 4 8 22R

2/21/07

Spud Date: 1/01/07

Currently drilling @ 1544'as of 1/31/07

CONFIDENTIAL

Description of Operations

UNTHAW KELLY HOSE, PUT KELLY HOSE EXT. PIPE ON TO KEEP HOSE OFF

TEST BOPS PIPE RAMS, BLINDS, CHOKE MANFOILD, WING VALVE, HCR,

Questar E & P

Page 1 of 8

Operations Summary Report

Well Name: GB 1M-4-8-22R(Ry Skil) Location: 4-8-S 22-E 26

From - To Hours Code Sub

Spud Date:

1/24/2007

Rig Name: TRUE

Date

43-047-38990

Rig Release: Rig Number: 32

				Code	
1/24/2007	06:00 - 08:00	2.00	LOC	4	RIG DOWN TO SKID RIG FOR TRUCKS
	08:00 - 10:00	2.00)		RIG UP CRAINE, TRUCKS TO PULL FRONT TWO MATS
	10:00 - 15:30	5.50	LOC	4	DIG CELLAR IN STALL RING
	15:30 - 17:00	1.50	LOC	4	SLID RIG 10' AHEAD W/ 4 TRUCKS, CRAINE , 2 D-8 CATS
	17:00 - 00:00	7.00	LOC	4	RIG BACK UP FRONT YARD
	00:00 - 06:00	6.00	TRP	1	PICK UP DP STAND IN DERRICK
1/25/2007	06:00 - 10:00	4.00	LOC	4	SET GAS BUSTER, CHOKE HOUSE IN W/ CRAIN, FLOW LINE
	10:00 - 12:00	2.00	i		TRYING TO SCREW IN TO BHA STANDING DERRICK
	12:00 - 13:00	1.00			KICK PUMPS IN FROZE IN TOP DRIVE
	13:00 - 16:00	3.00			STAND BHA BACK IN DERRICK TOP DRIVE BACK OUT DRILL PIPE IN TOP OF
					MONEL DC HAD TO GET SCREWED BACK IN MONEL DC
	16:00 - 17:00	1.00	RIG	5	UNTHAW TOP DRIVE IN UPPER KELLY COCK
	17:00 - 18:00	1.00	TRP	1	PICK UP BHA
	18:00 - 21:00	3.00	DRL	1	SPUD IN 17 1/2 HOLE @ 1800 1/24/2007 DRILLING F/21 TO 47'
	21:00 - 22:00	1.00	RIG	2	TIGHT UP STAND PIPE UNION
	22:00 - 02:30	4.50	DRL	1	DRILL F/ 47 TO 258
	02:30 - 05:00	2.50	TRP	2	LAY DOWN 6 DP, TO 2 STD 6 5/8 HWD
	05:00 - 06:00		REAM	1	WASH 90' TO BOTTOM
1/26/2007	06:00 - 06:30	0.50	SUR	1	SURVEY @ 261 1.2 DEG 54.0 AZ
	06:30 - 10:30	4.00	DRL	1	DRILL F/ 258 TO 350
	10:30 - 11:00	0.50			CLEAN OUT SUCTION&DISCHARGE LINE ON CELLAR PUMP
	11:00 - 11:30		DRL	1	DRILLING F/ 350 TO 374
	11:30 - 12:30		TRP	2	L/D 5 JTS. PIPE & RUN IN 6 5/8 HWD
	12:30 - 16:30		DRL.	1	DRILLING F/374 TO 526'
	16:30 - 17:00		SUR	1	SURVEY @ 476' 1.7 DEG 39.4 AZ
	17:00 - 18:30		TRP	14	SHORT TRIP TO BIT(SLM BOARD 526.0 STRAP 528.33 NO CORR.)
	18:30 - 19:30		CIRC	1	CIRC. SWEEP AROUND RUN 13 3/8 CSG.
	19:30 - 22:00		TRP	2	TRIP OUT RUN 13 3/8 CASING, L/D IBS, SHOCK SUB
	22:00 - 00:00		CSG	1	RIG UP CASING CREW, CHANGE OUT BAILES ON TOP DRIVE
	00:00 - 03:00		CSG	2	RUN 12 JTS 13 5/8 CASING K-55 # 54.5 W/ WESTSTATE CASING
	03:00 - 04:00		CIRC	1	RIG UP CIRC 13 3/8 CSG.
	04:00 - 06:00		CMT	2	RIG CMT. HELD SAFTY MEETING CMT. 13 3/8 CSG
1/27/2007	06:00 - 07:00	1.00	CMT	2	CEMENT 13 3/8 CSG. W/ 500 SK. TYP 3 0.2 VERASET, 1% CALCIUM CHLORID,
					0.125#/SK POLYFLACK #14.5 PPG.YIELD 1.40 RETRUNED 9.5 BBL TO PIT
	1				FLOAT HELD.PLUG DOWN @ 06:30 RIG DOWN CEMENTER
	07:00 - 12:00		WOT	1	WOC
	12:00 - 18:00	6.00	BOP	1	CUT OFF PIPE, CHIP CMT DOWN 1 FT. FOR BASE PLATE ON HEAD, WELD ON
					HEAD, TEST TO 1,000 PSI
	18:00 - 06:00	12.00			NIPPLE UP BOPS
1/28/2007	06:00 - 19:00	13.00	BOP	2	TEST BOPS,HAD RETIGHT ALL FLANGE, TESTED HYDRILL,WING VAVLES,
				_	UNTHAW HCR VALVE, TESTED HCR
	19:00 - 20:00	1.00		2	CHANGE OUT 4 1/2 PIPE RAMS, BLOCKS
	20:00 - 22:00				TEST UPPER KELLY,
	22:00 - 00:00	2.00			FLIP PIPE RAMS OVER
	00:00 - 01:00				CHANGE OUT TEST JT.UNTHAW TOP DRIVE
	01:00 - 02:00				RETEST PIPE RAMS,NO GOOD
	02:00 - 06:00	4.00	RIG	2	NIPPLE DOWN BOPS, WAIT ON NEW DOUBLE GATE FROM QUAIL OUT
12012007	06:00 17:00	11.00	WOT	,	CASPER SHOULD BE HEAR @ 12:00 TO DAY
/29/2007	06:00 - 17:00	11.00	WUI	4	NIPPE DOWN BOPS , WAIT ON DOUBLE GATE F/ QUAIL IN CASPER,

TOP DRIVE

NIPPLE UP BOPS

6.00 BOP 7.00 BOP

17:00 - 23:00

23:00 - 06:00

Printed: 3/6/2007 11:17:23 AM

RECEIVED

MAR 0 6 2007

Questar E & P

Page 2 of 8

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/29/2007	23:00 - 06:00	7.00	ВОР	2	CHECK VALVE UPPER, LOEWR KELLY VAVLE, LOW, 250 PSI 5MINS, HIGH 5,000 10 MIN, HY DRILL 250 LOW 5MIN. HIGH 2500 PSI 10 MINS. TEST
1/30/2007	06:00 - 13:30	7.50	RIG	2	CASING TO 1500 PSI FOR 30 MINS OK NIPPLE DOWN ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD,INSTALL WEAR BUSHING, DRILL
	40.00	5 50	510		MOUSE HOLE,
	13:30 - 19:00 19:00 - 20:30		RIG BOP	2	NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE
	20:30 - 00:00		TRP	1	PUT TRUN BUCKLES ON BOP , CENTER BOP UP TO ROTARY TABLE P/UP BHA
	00:00 - 01:00		TRP	2	TRIP IN HOLE TAGED CMT AT 470'
	01:00 - 04:30		DRL	1	DRILLING CMT ,FLOAT COLLAR, SHOE, & 10' NEW HOLE
	04:30 - 05:30		EQT	2	RIG UP , FIT TEST TO 61 PSI = 10.5 MUD WT BLEAD OFF 10 PSI IN 5MINS TESTED W/ SINGLE JACK TESTING
	05:30 - 06:00	0.50	TRP	3	LAY DOWN SLICK JT . DP , UP SPIRAL HWDP
1/31/2007	06:00 - 09:30		DRL	1	DRILLING F/ 526 TO 720
	09:30 - 11:00		CIRC	1	CIRC WHILE WORKING ON PASON EQUIPT.
	11:00 - 12:30		DRL.	1	DRILLING F/ 720 TO 812
	12:30 - 13:00		OTH		CIRC. WORK ON TOP DRIVE STALLING OUT W/ 10,000 WT
	13:00 - 13:30		DRL	1	DRILLING F/812 TO 830
	13:30 - 14:00 14:00 - 15:30		OTH DRL		CIRC. WORK ON TOP DRIVE
	15:30 - 16:00		RIG	1	DRILLING F/ 830 TO 904 RIG SER.
	16:00 - 17:30		DRL	1	DRILLING F/ 904 TO 953
	17:30 - 20:00		OTH	l'	WORK ON TOP DRIVE FILLTER COLAPSED
	20:00 - 20:30	0.50		1	DRILL F/ 953 TO 1035
	20:30 - 21:30		SUR	1	SURVEY @ 1,000' 1.6 DEG 35.2 AZ
	21:30 - 01:00	3.50		1	DRILL F/ 1035 TO 1147'
	01:00 - 02:30		ОТН		CIRCULATE AND WORK PIPE WHILE CHANGE OUT FLITERS ON TOP DRIVE 12 FILTERS ALL IN BAD CONDITION.
	02:30 - 06:00	3.50		1	DRILL F/ 1147' TO 1250
2/1/2007	06:00 - 13:00	7.00		1	DRILLING FROM 1250' TO 1483'
	13:00 - 15:30	2.50		2	WAITTING ON WELDER AND REPAIR STAND PIPE
	15:30 - 17:00 17:00 - 18:00	1.50 1.00		1	DRILLING FROM 1483' TO 1514'
	18:00 - 20:30	2.50		1	RAN WIRE LINE SURVEY AT 1444' 1.9 DEG. 37.30 AZI DRILLING FROM 1514' TO 1544'
	20:30 - 23:00	2.50		13	TRIP OUT OF HOLE TO CASING SHOE DUE TO MOTOR FAILURE ON TOP DRIVE
	23:00 - 03:00	4.00	RIG	2	CHANGE OUT TOP MOTOR ON TOP DRIVE, AND TESTED MOTOR
	03:00 - 04:30	1.50		1 I	TRIP IN HOLE TO 1079'
	04:30 - 06:00		REAM		WASH AND REAM FROM 1079' TO 1544'
/2/2007	06:00 - 13:00	7.00		1	DRILLING FROM 1544' TO 1734'
	13:00 - 15:30	2.50			REPAIR PASON
	15:30 - 20:30	5.00			WELDER REPAIR DISCHARGE LINE ON PUMP # 2
	20:30 - 22:00	1.50			DRILLING FROM 1734' TO 1796'
	22:00 - 23:00	1.00			MADE CONNECTION HOLE PACKING OFF BENT TWO JOINTS PIPE CIRCULATED HI VIS SWEEP
	23:00 - 00:30	1.50			DRILLING FROM 1796' TO 1801'
	00:30 - 02:00	1.50			REPAIR MUD PUMP CHANGE SWAB #1 PUMP
/3/2007	02:00 - 06:00 06:00 - 11:00	4.00 5.00			DRILLING FROM TO 1801' TO 1920'
1512001	11:00 - 11:30	0.50			DRILLING FROM 1900' TO 2017' SERVISE RIGRIG SERVICE
	11:30 - 12:00	0.50			SERVISE RIGRIG SERVICE INSTALL ROTATING HEAD
	12:00 - 22:00	10.00			DRILLING FROM 2017' TO 2203'
	·				Printed: 3/6/2007 11:17:23 AM

Page 3 of 8

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/3/2007	22:00 - 22:30	0.50	отн		REPAIR TOP DRIVE
	22:30 - 23:00	0.50	SUR	1	WIRE LINE SURVEY AT 2133' 1.7 DEG. 36.2 AZM
	23:00 - 06:00		DRL	1	DRILLING FROM 2203' TO 2275'
/4/2007	06:00 - 08:30	2.50	DRL	1	DRILLING FROM 2275' TO 2309'
	08:30 - 09:00	0.50	CIRC	1	PUMP SWEEPS AND CIRCULATE
	09:00 - 12:30		TRP	10	TRIP OUT OF HOLE FOR BIT
	12:30 - 14:30		TRP	10	CHANGE OUT BIT AND TRIP IN HOLE TO SHOE
	14:30 - 15:00		RIG	1	SERVICE TOP DRIVE
	15:00 - 15:30		TRP	10	TRIP IN HOLE HIT BRIDGE AT 873'
	15:30 - 23:00		REAM	1	WASH AND REAM FROM 873' TO 2164 EXCESSIVE AMOUNTS OF PEE
	10.00	7.00		('	GRAVEL COMING BACK ACROSS SHALE SHAKERS, RAISING WT AND VIS
	23:00 - 00:00	1.00	RIG	2	CHANGE OUT KELLY SAVER SUB
	00:00 - 05:00		TRP	10	PACKED OFF WORKING TIGHT HOLE FROM 2164 BACK REAM UP TO
	05:00 - 06:00		CIRC	1	CIRC. AND RAISE WT TO 9.2, VIS TO 40, REAMING TO BOTTOM
/5/2007	06:00 - 08:30		REAM	1	
5,2001	08:30 - 14:00		DRL	1	WASH AND REAM FROM 2197 TO 2314
				1 '	DRILLING FROM 2309 TO 2390
	14:00 - 14:30 14:30 - 06:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
		15.50	DKL	1	DRILLING FROM 2390 TO 2757
IC IOOO7	06:00 -			i.	NOTE: AFTER RAISING VIS AND WT, TORQUE WENT AWAY
6/2007	06:00 - 09:30		DRL	1	DRILLING FROM 2757 TO 2832
	09:30 - 10:00	0.50		1	RIG SERVICE, SERVICE TOP DRIVE
	10:00 - 12:30		DRL	1	DRILLING FROM 2832 TO 2895
	12:30 - 13:00	0.50			RIG REPAIR, FILL # 2 PUMP MOTOR WITH ANTIFREEZE
	13:00 - 06:00	17.00		1	DRILLING FROM 2895 TO 3230
7/2007	06:00 - 07:00	1.00	DRL	1	DRILLING FROM 3230 TO 3275
	07:00 - 07:30	0.50	RIG	2	RIG REPAIR DAY TANK ON #2 PUMP RAN OUT OF FUEL
	07:30 - 10:30	3.00	DRL		DRILLING FROM 3275 TO 3339
	10:30 - 11:00	0.50	RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	11:00 - 00:30	13.50			DRILLING FROM 3339 TO 3593
	00:30 - 01:30	1.00	RIG		RIG REPAIR # 2 PUMP, REPLACED VALVE & SEAT IN SUCTION
	01:30 - 06:00	4.50			DRILLING FROM 3593 TO 3664
8/2007	06:00 - 10:30	4.50			DRILLING FROM 3664 TO 3750
	10:30 - 11:30	1.00		1	CHANGE OUT MIDDLE DISCHARGE VALVE AND SEAT # 1 PUMP
	11:30 - 17:00	5.50		_	DRILLING FROM 3750 TO 3847
	17:00 - 18:00	1.00			RIG SERVICE, SERVICE TOP DRIVE
	18:00 - 19:00	1.00			DRILLING FROM 3847 TO 3870
	19:00 - 21:00	2.00	TRP		PRESSURE LOSS, BIT QUIT DRILLING, LOOKING FOR PRESSURE LOSS WENT THROUGH BOTH PUMPS
	21:00 - 22:00	1.00	TRP		MIX UP PILL
	22:00 - 22:30	0.50			DROP SURVEY
	22:30 - 23:00	0.50		- 1	PUMP PILL
	23:00 - 01:30	2.50			TRIP OUT FOR MOTOR
	01:30 - 06:00	4.50	I	13	TWO 2* HOSES BLEW INTO BETWEEN TOP DRIVE UNIT AND 1/4 WAY UP DERRICK, WHILE BREAKING OUT SAVER SUB TO PULL OUT HWDP
	06:00 -	i		i	NOTE: HAD 6 TH MAN CHANGE LINERS IN #1 PUMP TO 5 1/2
9/2007	06:00 - 12:30	6.50	OTH		
<i>,,</i> 2001					WORKING ON TESCO TOP DRIVE, REPLACING 2" HOSES, PROBLEMS W/ BACK PRESSURE ON GRABBER
	12:30 - 13:30	1.00	TRP	13	TRIP OUT TO SHOE
	13:30 - 15:00	1.50	отн	- [1	WORKING ON BACKPRESSURE ON GRABBER, REPLACE CHECK VALVE
	15:00 - 18:00	3.00	TRP	1	TRIP OUT , CHANGE OUT BIT AND MOTOR, CLOSE AND OPEN BLINDS, PIPES AND HYDRIL
	18:00 - 23:00	5.00	TRP		TRIP IN TO 1100', HIT BRIDGE, COULD NOT CIRCULATE THROUGH STRING
					Same and the same

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/9/2007	23:00 - 02:00	3.00	TRP	13	TRIP OUT TO MOTOR,
	02:00 - 04:00	2.00	TRP	13	FLOAT BROKE, CLEAN JUNK OUT OF MOTOR
	04:00 - 05:30	1.50	TRP	2	TRIP IN WITH MOTOR AND IBS, CIRCULATE THROUGH BHA, GOOD
	05:30 - 06:00	0.50	TRP	2	TRIP IN WITH BHA
2/10/2007	06:00 - 07:00	1.00	TRP	2	TRIP INTO 1100
	07:00 - 07:30		отн		INSTALL TRIP SLEEVE IN ROTATING HEAD
	07:30 - 16:00		REAM	1	WASH AND REAM FROM 1100' TO 3183
	16:00 - 17:00		ОТН	-	INSTALL ROTATING HEAD RUBBER,
	17:00 - 18:00		REAM	1	HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO
					CIRCULATION
	18:00 - 22:00	4.00	CIRC	2	LOST CIRC, PACKED OFF, BACK REAM FROM 3207 TO 3179, GOT RETURNS
	22:00 - 01:00		CIRC	1	CIRCULATE AND CONDITION MUD
	01:00 - 02:00		TRP	2	TRIP IN HOLE TO 3780
	02:00 - 04:00		REAM	1	WASH AND REAM FROM 3780 TO 3860
	04:00 - 05:00		RIG	2	RIG REPAIR, GO THROUGH # 2 PUMP CLEAN OUT ROCKS
	05:00 - 05:30		REAM	1	WASH AND REAM FROM 3860 TO 3870
	05:30 - 06:00		DRL	1	DRILLING FROM 3870 TO 3875
2/11/2007	06:00 - 08:00		DRL	1	DRILLING FROM 3875' TO 3927'
1112001	08:00 - 09:30		RIG	2	REPAIR MUD PUMP # 2
				1	
	09:30 - 21:30	12.00		2	DRILLING FROM 3927' TO 4164'
	21:30 - 22:00	0.50		1	CHANGE OUT TWO SHAKER SCREEN ON ONE ON EACH SHAKER
	22:00 - 06:00	8.00	DRL	1	DRILLING FROM 4164' TO 4280, AT 4242' HOLE STARTED TAKING MUD
					AVERAGE 65 BBL / HR. ADDED 20 SKS NEW CARB, 20 SKS MICA, 20 SKS
					DYNA FIBER, AND 20 SKS ASH PHALT IN 1 HOUR 15MIN LOSSES WERE
					DOWN TO 12 BBLS / HOUR
	06:00 - 09:00		DRL	1	DRILLING FROM 4292' TO 4326'
	09:00 - 05:00	20.00	RIG	2	CIRCULATE AND CONDITION WHILE ATTEMPT TO REPAIRING # 2 MUD PUMP
					DISCHARGE, REPAIRS FAILED CHANGED OUT DISCHARGE MODULE
	05:00 - 06:00		DRL	1	DRILLING FROM 4326' TO 4340'
2/13/2007	06:00 - 11:00	5.00	DRL	1	DRILLING FROM 4340' TO 4379'
	11:00 - 12:00		SUR	1	DROP SURVEY AT 4309' 1.5 DEG 61.20 AZI
	12:00 - 19:30	7.50	TRP	10	TRIP OUT OF HOLE DUE TO PENETRATION RATE
	19:30 - 22:00	2.50	OTH		PULLED WEAR BUSHING TO CHECK WEAR, DRILL PIPE RIDING ON SIDE OF
					BOPS SLIGHT WEAR ON WEAR BUSHING RE RAN WEAR BUSHING
	22:00 - 02:30	4.50	TRP	10	MADE UP BIT # 5 SMITH MX9539 AND TRIP IN HOLE (1.5 HOURS TO LATCH
					ONTO STAND OF 8" DRILL COLLARS)
	02:30 - 04:00	1.50	RIG	6	SLIPPED AND CUT DRILL LINE
	04:00 - 06:00		отн	-	ADJUST TOP DRIVE TRACK AND ALINE BOPS WITH ROTARY TABLE
2/14/2007	06:00 - 09:00		TRP	10	TRIP IN HOLE TO 4300
	09:00 - 10:30		REAM	1	SAFETY WASH 79' TO BOTTOM 20' OF FILL
	10:30 - 14:30	4.00		i	DRILLING FROM 4379 TO 4416
	14:30 - 15:00	0.50		1	RIG SERVICE, SERVICE TOP DRIVE
	17.30 - 13.00	0.50	NIG	Ι'	ING OLIVIOL, OLIVIOL FOR DIVIVE
	15:00 - 17:00	2 00	DRL	1	DRILLING FROM 4416 TO 4431
				2	
	17:00 - 18:00	1.00			RIG REPAIR, REPLACE SUCTION VALVE AND SEAT IN # 1 PUMP
	18:00 - 01:30	7.50		1 2	DRILLING FROM 4431 TO 4478
	01:30 - 05:00	3.50	KIG	4	RIG REPAIR # 1 PUMP SUCTION VALVE AND SEAT, BULL WHEEL SIDE, ALSO
	05.00.00			١. ا	CHANGED VALVE IN DISCHARGE MIDDLE
	05:00 - 06:00	1.00		1	DRILLING FROM 4478 TO 4487
2/15/2007	06:00 - 10:30	4.50		1	DRILLING/ 4487 TO 4500
	10:30 - 13:00	2.50		2	CHANGE OUT VALVE, SEAT IN # 2PUMP CENTER POT
	13:00 - 13:30	0.50		1	RIG SER
	13:30 - 14:00	0.50	DRL	1	DRILL F/ 4500 TO 4520
	1			1	

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/15/2007	14:00 - 15:00		CIRC	1	CIRC, MIX , PUMP SWEEP LMC (LOST 120 BBL. MUD)
	15:00 - 18:00	3.00	DRL	1	DRILL F/ 4520 TO 4584
	18:00 - 23:00		DRL	1	DRILL F/4584 TO 4619
	23:00 - 00:00	1.00	RIG	2	GO THRU #2 MUD PUMP, CHANGE OUT VALVES ON SUCTION AND DISCHARGE
	00:00 - 03:00	3.00	DRL	1	DRILL F/4619 TO 4641
	03:00 - 03:30	0.50	RIG	2	WORK ON #2 PUMP, CHANGE OUT VALVES IN MIDDLE SECTION
	03:30 - 06:00	2.50	DRL	1	DRILL F/4641 TO/
2/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL F/ 4671' TO/ 4686' (LOST 100 BBLS MUD, DRAIN VALVE TO TRIP TANK WAS LEFT OPEN)
	10:00 - 13:00	3.00	REAM	1	REAMING, WORK TORQUE OUT
	13:00 - 16:00	3.00	CIRC	1	CIRCULATE & CONDITION MUD, MIX & PUMP DRY JOB
	16:00 - 18:30	2.50	TRP	10	T.O.O.H TO HWDP, SLM 4685'
	18:30 - 03:30	9.00	ISP	1	INSPECT BHA & LAY DOWN 4 JTS OF 4 1/2" HWDP
	03:30 - 06:00	2.50	TRP	1	LAY DOWN MOTOR, SHOCK TOOL, IBS STABILIZER, BIT
2/17/2007	06:00 - 07:00	1.00	TRP	1	LAY DOWN STABILIZER & MUD MOTOR
	07:00 - 08:00	1.00	TRP	1	TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS
	08:00 - 12:00	4.00	TRP	2	тін
	12:00 - 14:00	2.00	REAM	1	WASH & REAM F/3254', T/3515'
	14:00 - 15:00	1.00	TRP	2	TIH
	15:00 - 15:30	0.50	REAM	1	WASH & REAM F/4602 T/ 4685
	15:30 - 16:00	0.50	DRL	1	DRILL F/ 4685 T/ 4688
	16:00 - 16:30	0.50	CIRC	1	CONDITION & CIRC, PUMP SWEEP
	16:30 - 17:30	1.00	DRL	1	DRILL F/ 4688' T/ 4701
	17:30 - 18:00	0.50	SUR	1	DEVIATION SURVEY @ 4610' (1.2 DEVIATION)
	18:00 - 18:30	0.50	DRL	1	DRILL F/4701 T/ 4707
	18:30 - 19:00	0.50	CIRC	2	LOST CIRCULATION, 100 BBL LOSS
	19:00 - 06:00	11.00	CIRC	1	WORK TIGHT SPOT, CIRC & COND MUD, JARING TIGHT HOLE @ 4693', 14FT OFF BOTTOM
2/18/2007	06:00 - 14:00	8.00	FISH	3	JARING ON STUCK PIPE @ 4693 UP TO 4672
	14:00 - 21:30	7.50	FISH	4	RIG UP WEATHFORD WIRE LINE TRUCK TO FREE POINT
	21:30 - 05:00	7.50	FISH	5	SPOT 300 LBS FRACK SAND IN MUD MOTOR DID NOT WORK SPOTED 300LBS SAND AGAN STILL DID NOT WORK
	05:00 - 06:00	1.00	FISH	3	JARING ON STUCK PIPE W/ ON STEEL BALL TO LOCK UP MOTOR SO WE CAN BACK OFF
2/19/2007	06:00 - 12:00	6.00	FISH	3	JARING ON STUCK PIPE, CAME FREE
	12:00 - 13:00		TRP	2	TRIP OUT 2 STANDS
	13:00 - 14:30	1.50	CIRC	1	CIRCULATE, MIX & PUMP PILL, L/D FREE POINT CREW
	14:30 - 18:00		TRP	2	T.O.O.H, L/D DRILLING JARS
	18:00 - 20:00	2.00	TRP	2	T.O.O.H
	20:00 - 22:00	2.00	TRP	1	L/D SHOCK SUB, MOTOR, PDC BIT, MONEL
	22:00 - 23:00		RIG	1	WORK ON TOP DRIVE
	23:00 - 00:00	1.00	TRP	1	P/U JUNK BASKET, MILL TOOTH BIT
	00:00 - 06:00	6.00	TRP	2	TRIP IN HOLE
2/20/2007	06:00 - 07:00		REAM	1	WASH 90 ' TO BOTTM 4617 TO 4707
	07:00 - 07:30		FISH	5	WORK JUNK SUB ON BOTTOM PICK UP BALL , NUTS
	07:30 - 08:00	0.50	DRL	1	DRILLING F/ 4707 TO 4718
	08:00 - 08:30		CIRC	1	CIRC, MIX & PUMP PILL
	08:30 - 12:00	3.50	TRP	2	TRIP OUT HOLE W/ JUNK SUB (CLOSED BLIND RAMS, WORKED PIPE RAMS)
	12:00 - 12:30		FISH	5	CLEAN OUT JUNK SUB (RECOVERED 176 STEEL BALL, 76 1/4, 1/2 NUTS)
	12:30 - 15:00		TRP	1	L/D BIT SUB, P/U MUD MOTOR, MONEL DC.
	15:00 - 18:30		TRP	2	TRIP IN HOLE
	18:30 - 19:00	i 1	REAM	1	WASH & REAM 30' TO BOTTOM, F/4688' T/ 4718'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: Rig Number: 32

21: 22: 00: 01: 01: 01: 01: 02: 06: 06: 01: 01: 02: 06: 06: 06: 07: 06: 06: 07: 06: 06: 07: 06: 06: 07: 06: 06: 07: 06: 06: 07: 06: 06: 07: 06: 07: 06: 07: 06: 07: 07: 07: 07: 07: 07: 07: 07: 07: 07	00 - 21:30 30 - 22:30 30 - 00:00 00 - 01:00 00 - 01:00 00 - 01:00 00 - 01:30 30 - 02:00 00 - 14:30 30 - 15:00 00 - 16:30 30 - 17:00 00 - 19:00 00 - 19:30 30 - 21:00 00 - 22:30 30 - 04:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 13:00 00 - 14:00 00 - 15:30 00 - 15:30 00 - 15:30	1.00 1.50 0.50 0.50 0.50 0.50 0.50 0.50	DRL RIG DRL DRL DRL DRL DRL DRL DRL DRL DRL DRL	1 2 1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1	DRILL F/ 4718' T/4780' WORK ON #1 MUD PUMP, CHANGE SWAB DRILL F/4780' T/4812' WORK ON #1 MUD PUMP, CHANGE ANOTHER SWAB DRILL F/4812' T/4831' COOL #2 MUD PUMP DRILL F/4813' T/4913' DRILL F/4913'- T/5045' RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES DRILL F/ 5045' T/5065' SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
22: 00: 01: 02: 2/21/2007 06: 14: 15: 16: 17: 19: 21: 2/22/2007 06: 07: 08: 10: 13: 15: 00: 2/23/2007 06: 02: 02: 02: 02: 02: 04: 04: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 07: 08: 08: 09: 09: 09: 09: 09: 09: 09: 09: 09: 09	30 - 00:00 00 - 01:00 00 - 01:30 30 - 02:00 00 - 06:00 00 - 16:30 30 - 15:00 00 - 16:30 30 - 17:00 00 - 19:00 00 - 19:30 30 - 21:00 00 - 19:30 30 - 20:00 00 - 06:00 00 - 07:00 00 - 06:00 00 - 13:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:00 00 - 15:00 00 - 15:00 00 - 15:30	1.50 1.00 0.50 4.00 8.50 0.50 1.50 0.50 2.00 0.50 1.50 2.00 1.50 2.00 1.50 3.00	DRL RIG DRL DRL RIG DRL RIG DRL RIG DRL RIG DRL RIG TRP TRP TRP RIG TRP	1 2 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1	DRILL F/4780' T/4812' WORK ON #1 MUD PUMP, CHANGE ANOTHER SWAB DRILL F/4812' T/4831' COOL #2 MUD PUMP DRILL F/4831' T/4913' DRILL F/4931' T/4913' DRILL F/4913'- T/5045' RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES DRILL F/ 5045' T/5065' SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5057' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
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02: 03: 14: 15: 16: 17: 19: 21: 22: 04: 08: 07: 08: 07: 08: 15: 16: 08: 16: 16:	00 - 06:00 00 - 14:30 30 - 15:00 00 - 16:30 30 - 17:00 00 - 19:00 00 - 19:30 30 - 21:00 00 - 22:30 30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 15:00 00 - 15:00	4.00 8.50 0.50 1.50 2.00 0.50 1.50 2.00 1.00 1.50 3.00 1.50	DRL RIG DRL RIG DRL RIG DRL CIRC TRP TRP TRP TRP RIG TRP	1 1 2 1 1 1 2 1 1 1 10 1 1 10 6 10	DRILL F/4831' T/4913' DRILL F/4913' T/5045' RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES DRILL F/ 5045' T/5065' SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
/21/2007 06:0 14:1 15:1 16:1 17:1 19:1 19:1 21:1 22:2 /22/2007 06:0 06:0 13:0 14:0 15:1 15:1 15:1 15:1 15:1 15:1 15:1 15	00 - 14:30 30 - 15:00 00 - 16:30 30 - 17:00 00 - 19:00 00 - 19:30 30 - 21:00 00 - 22:30 30 - 21:00 00 - 06:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 15:00 00 - 15:00	8.50 0.50 1.50 0.50 2.00 0.50 1.50 5.50 2.00 1.50 1.50 3.00 1.00	DRL RIG DRL RIG DRL CIRC TRP TRP TRP TRP TRP RIG TRP	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DRILL F/4913'- T/5045' RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES DRILL F/ 5045' T/5065' SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
14:: 15:: 16:: 17:: 19:: 19:: 21:: 22:: 22:: 22:: 22:: 06:: 07:: 08:: 10:: 15:: 00:: 07:: 06:: 15:: 00:: 15:: 04:: 15:: 15:: 00:: 10:: 11:: 11:: 11:: 15:: 15	30 - 15:00 00 - 16:30 30 - 17:00 00 - 19:00 00 - 19:30 30 - 22:30 00 - 22:30 00 - 06:00 00 - 06:00 00 - 06:30 00 - 15:00 00 - 15:00 00 - 15:00	0.50 1.50 2.00 0.50 1.50 1.50 2.00 1.00 1.50 1.50 3.00 1.00	RIG DRL RIG DRL RIG DRL CIRC TRP TRP TRP RIG TRP	1 1 1 2 1 1 10 1 1 10 6 10	RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES DRILL F/ 5045' T/5065' SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
15:: 16:: 17:: 19:: 19:: 22:: 04:: (22/2007	00 - 16:30 30 - 17:00 00 - 19:00 00 - 19:30 30 - 21:00 00 - 22:30 30 - 04:00 00 - 06:00 00 - 06:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 15:00 00 - 15:30	1.50 2.00 0.50 1.50 1.50 5.50 2.00 1.50 1.50 3.00 1.00	DRL RIG DRL RIG DRL CIRC TRP TRP TRP TRP RIG TRP	1 1 1 2 1 1 10 1 1 10 6 10	VALVES DRILL F/ 5045' T/5065' SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
16: 17: 19: 21: 22: 04: 04: 06: 10: 13: 15: 00: 02: 423/2007 06: 10: 11: 15: 15: 15: 15: 15: 15: 15: 15: 16: 17: 18: 18: 18: 18: 18: 18: 18: 18: 18: 18	30 - 17:00 00 - 19:00 00 - 19:30 30 - 21:00 00 - 22:30 30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	0.50 2.00 0.50 1.50 5.50 2.00 1.00 1.50 3.00 1.00	RIG DRL RIG DRL CIRC TRP TRP TRP TRP RIG TRP	1 1 2 1 1 10 1 1 10 6 10	SERVICE RIG DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
17:1 19:1 19:1 19:1 19:1 21:1 22:2 04:1 06:1 10:0 13:0 14:1 15:0 00:0 04:0 04:0 04:0 04:0 13:0 12:0 13:0 12:0 13:0 15:0 10:0 10:0 10:0 10:0 10:0 10:0 10	00 - 19:00 00 - 19:30 30 - 21:00 00 - 22:30 30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	2.00 0.50 1.50 1.50 5.50 2.00 1.00 1.50 3.00 1.00	DRL RIG DRL CIRC TRP TRP TRP TRP RIG TRP	1 2 1 1 10 1 1 10 6	DRILL F/5065' T/5071' RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
19:1 19:1 22:2 04:1 (22/2007 06:0 07:0 08:1 10:0 13:0 14:1 15:0 00:3 02:0 04:0 04:0 12:0 13:3 15:0 15:0 06:0 12:0 13:3 15:0 10:0 10:0 10:0 10:0 10:0 10:0 10:0	00 - 19:30 30 - 21:00 00 - 22:30 30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	0.50 1.50 1.50 5.50 2.00 1.00 1.50 3.00 1.00	RIG DRL CIRC TRP TRP TRP TRP RIG TRP	2 1 1 10 1 1 10 6	RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR DRILL F/5071" T/ 5078", MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
19:: 21:: 21:: 04:: 04:: 05:: 10:: 13:: 15:: 07:: 08:: 15:: 07:: 15:: 15:: 15:: 15:: 15:: 15:: 15:: 1	30 - 21:00 00 - 22:30 30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 14:00 00 - 15:00 00 - 15:30	1.50 1.50 5.50 2.00 1.00 1.50 3.00 1.00	DRL CIRC TRP TRP TRP TRP RIG TRP	1 1 10 1 1 1 10 6 10	DRILL F/5071' T/ 5078', MW 9.7, 47 VIS, CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
21:1 22:2 04:3 07:4 08:0 10:0 13:0 15:0 00:3 00:2 04:2 04:2 04:2 13:3 15:0 10:0 10:0 10:0 10:0 10:0 10:0 10:0	00 - 22:30 30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	1.50 5.50 2.00 1.00 1.50 3.00 1.00	CIRC TRP TRP TRP TRP RIG TRP	1 10 1 1 10 6 10	CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
22:: 04:0 06:: 10:0 13:: 14:: 15:: 15:: 00:: 223/2007	30 - 04:00 00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	5.50 2.00 1.00 1.50 1.50 3.00 1.00	TRP TRP TRP TRP RIG TRP	10 1 1 10 6 10	P.O.O.H, TRIP OUT FOR BIT L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
2/22/2007 06:0 07:0 08:0 10:0 13:0 14:0 15:0 15:0 00:0 04:0 04:0 04:0 12:0 13:3 15:0 10:0 12:0 13:0 15:0 10:0 10:0 10:0 10:0 10:0 10:0 10	00 - 06:00 00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	2.00 1.00 1.50 1.50 3.00 1.00	TRP TRP TRP RIG TRP	1 1 10 6	L/D & P/U MOTOR & BIT P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
/22/2007	00 - 07:00 00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	1.00 1.50 1.50 3.00 1.00	TRP TRP RIG TRP	1 10 6 10	P/U BHA TRIP IN HOLE TO SHOE CUT DRILLING LINE
07:1 08:3 10:0 13:0 14:0 15:0 15:0 00:0 02:0 04:1 12:0 13:3 12:0 12:0 (24/2007 06:0 10:0 10:0	00 - 08:30 30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	1.50 1.50 3.00 1.00	TRP RIG TRP	10 6 10	TRIP IN HOLE TO SHOE CUT DRILLING LINE
08: 10:0 13:0 14:0 15:0 15:0 00:0 02:0 04:0 04:0 10:0 12:0 13:3 12:0 (24/2007 06:0 10:0 10:0	30 - 10:00 00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	1.50 3.00 1.00	RIG TRP	6 10	CUT DRILLING LINE
10:0 13:0 14:1 15:0 00:3 02:0 04:0 04:0 10:0 12:0 13:3 15:0 (24/2007 06:0 10:0	00 - 13:00 00 - 14:00 00 - 15:00 00 - 15:30	3.00 1.00 1.00	TRP	10	
13:0 14:0 15:0 00:3 00:2 04:0 04:0 10:0 12:0 13:3 15:0 /24/2007 06:0 10:0	00 - 14:00 00 - 15:00 00 - 15:30	1.00 1.00			TOIC NILLOLE
14:0 15:0 00:0 02:0 04:0 04:0 10:0 12:0 13:0 12:0 /24/2007 06:0 10:0	00 - 15:00 00 - 15:30	1.00	REAM	4	TRIP IN HOLE
15:0 15:3 00:1 04:0 04:0 04:0 10:0 12:0 13:3 15:0 (24/2007 06:0 10:0	00 - 15:30		!	1	WASH TO 30 'TO BOTTOM (BLOW BOTTOM OFF GOOD BEFOR DRLG.) NO FILL
15:3 00:3 00:4 04:3 /23/2007 06:5 10:3 12:0 13:3 15:0 /24/2007 06:0		0.50	DRL	1	DRILLING F/ 5078 TO 5165 (HELD BOP DRILL 2 MIN,)
00:3 02:0 04:3 /23/2007 06:0 10:3 12:0 13:3 /24/2007 06:0 10:0	30 - 00:30		RIG	1	RIG SER. & SER. TOP DRIVE, (WORK PIPE RAMS)
02:0 04:0 04:2 /23/2007 06:0 12:0 13:3 13:3 (24/2007 06:0 10:0		9.00	DRL	1	DRILLING F/ 5165 TO 5258
/23/2007 06:0 10:3 12:0 13:3 15:0 /24/2007 06:0 10:0	30 - 02:00	1.50	RIG	2	RIG REPAIR, WORK ON # RIG PUMP, CHANGE
/23/2007	00 - 04:00	2.00	DRL	1	DRILLING F/5258' T/5323
/23/2007 06:0 10:3 12:0 13:3 15:0 /24/2007 06:0 10:0	00 - 04:30	0.50	RIG	2	RIG REPAIR, 1 SUCTION VALVE ON #2 PUMP
10:3 12:0 13:3 15:0 /24/2007 06:0 10:0	30 - 06:00	1.50	DRL	1	DRILLING F/5323' T/5335
12:0 13:3 15:0 //24/2007 06:0 10:0	00 - 10:30	4.50	DRL	1	DRILLING F/ 5335 TO 5428
13:3 15:0 /24/2007 06:0 10:0	30 - 12:00	1.50	RIG	2	TURNED FAN AROUND ON # 1 & # 2 PUMPS
/24/2007 15:0 10:0	00 - 13:30	1.50	DRL	1	DRILLING F/ 5428 TO 5449
/24/2007 06:0 10:0	30 - 15:00	1.50	RIG	2	CHANGE SWAB IN # 2 PUMP MIDDLE POT
10:0	00 - 06:00	15.00	DRL	1	DRILLI F/ 5449 TO 5570
	00 - 10:00	4.00	DRL	1	DRILLING F/ 5570 TO 5609
10.2	00 - 10:30	0.50	RIG	1	RIG SER. , TOP DRIVE SER.
10.0	30 - 11:30	1.00	RIG	2	CHANGE LINER, SWAB IN # 2 PUMP BILL WHEEL SIDE
11:3	30 - 16:00	4.50	DRL	1 1	DRILLING F/ 5609 TO 5627
16:0	00 - 16:30	0.50	CIRC		CIRC COND FOR TRIP
16:3	30 - 17:00		SUR		SURVEY @ 5597 .5 DEG 157.6 AZ
	00 - 17:30		CIRC	1 1	PUMP PILL, BLOW KELLY OUT
17:3	30 - 23:00	5.50	TRP		TRIP OUT FOR BIT #9 (HAD TRIP BOP DRILL)
	00:00	1.00		1 .	CHANGE OUT BITS (CLOSED BLINDS RAMS, OPEN)
	00 - 06:00	6.00			TRIP IN HOLE
	0 - 07:00	1.00			TRIP IN HOLE TAGED UP @4785 TITE
	0 - 12:00		CIRC		WORK TITE HOLE, LOST 130 BBLS MUD, RUN STAND IN 4813
	0 - 17:00	5.00		2	CHANGE PUMP ON TOP DRIVE
	0 - 17:30	0.50			TRIP IN HOLE
	0 - 18:00		REAM		WASH 60 ' TO BOTTOM
	0 - 19:00	1.00			DRILL F/5627 TO 5629
1	0 - 20:30	1.50			WORK ON # 1PUMP SWAB, #1 CHAGER PUMP SWITCH DOWN
19.0	.0.30	1.50	MG		TOTAL ON # IFOME SYME, #I CHAGER PUMP SWITCH DOWN

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	20:30 - 21:00	0.50	DRL	1	DRILL F/ 5629 TO 5630
	21:00 - 23:00	2.00	RIG	2	CHANGE SEAT,#1 PUMP BULL WHEEL SIDE,CHANGE SWAB MIDDLE
	23:00 - 02:00	3.00	DRL	1	DRILL F/ 5630 TO 5649
	02:00 - 03:00	1.00	CIRC	2	LOST CIRC @ 5649 LOST 300 BBLS.
	03:00 - 04:30	1.50	TRP	2	TRIP OUT HOLE TIGHT @ 4810
	04:30 - 06:00	1.50	REAM	1	BACK REAMING F/ 48 10 TO 4809
2/26/2007	06:00 - 07:00	1.00	CIRC	2	LOST CIRC (150 BBLS)
	07:00 - 09:00		TRP	2	TRIP OUT 10 STAND COULDN'T CIRC TRIP TO 4750, BACK REAMING TO 478
	09:00 - 10:30		TRP	2	TRIP BACK IN HOLE
	10:30 - 12:30		DRL	1	DRILL F/5649 TO 5670
	12:30 - 13:30		CIRC	1	WORK TIGHT HOLE @ 5670 ON CONN.
	13:30 - 23:00	l	DRL	1	DRILLING F/5670 TO 5732
	23:00 - 00:00		CIRC	1	WORK TIGHT HOLE @ 5732 TO 5642 (3 TIMES HOLE GOOD FREE)
	00:00 - 06:00		DRL	1	DRILLING 5732 TO (DRILL W/ NO FLUID LOST)
	06:00 -	0.00		1.	
2/27/2007	06:00 - 09:00	3.00	DRL	1	DRILLING 5780 TO 5804
	09:00 - 15:00		REAM	1	BACK REAM , JARING UP THROW TIGHT HOLE @ 5803 TO 5700
	15:00 - 15:30		RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
	15:30 - 18:00		TRP	2	TRIP OUT HOLE TO 3127 TIGHT
	18:00 - 06:00			1	WORK TIGHT HOLE F/ 3127 TO 3072 (55')
2/28/2007	06:00 - 09:00		FISH	3	WORKING TIGHT HOLE JARING UP (3272 , 3464 PULLED 1 STD TIGHT AGAIN
212012001	00.00 - 03.00	3.00	, 1311	3	3400 JARED OUT TO 3369
	09:00 - 14:00	5.00	TRP	2	TRIP OUT HOLE
	14:00 - 17:00		TRP	1	L/D BHA. BIT, MM, JARS, AND STAB
	17:00 - 22:00		TRP	1	TRIP IN HOLE, TIGHT HOLE AT 3257' WORKED PIPE
	22:00 - 02:00		CIRC	1	CIRCULATE AND RAISE MUD WEIGHT TO 9.7 AT 3077'
	02:00 - 03:00		TRP	1	
					LOST RETURNS PULLED 2 STANDS
	03:00 - 05:30		CIRC	1	PUMP 2 50 LCM PILL AND CIRC
C	05:30 - 06:00		TRP	1	TIH.
3/1/2007	06:00 - 07:30		TRP	2	TRIP IN HOLE
	07:30 - 08:00		REAM	1	WASHING TO BOTTOM LOST CIRC.
	08:00 - 08:30			2	TRIP OUT 10 STD.
	08:30 - 10:00			1	MIX UP LCM PILL, PUMP
	10:00 - 14:00		CIRC	2	CIRC, BUILD MUD VOLUME
	14:00 - 15:30		TRP	2	TOOH TO 3130' TIGHT HOLE FROM 3250' TO 3130'
	15:30 - 19:00			2	CIRC GOOD RETURNS REAM THROUGH TIGHT SPOT, BUILD VOLUME
	19:00 - 21:00			2	TIH BROKE CIRC EVERY 5 STANDS
	21:00 - 06:00	9.00		1	DRILLING FROM 5804' TO 5889'
3/2/2007	06:00 - 13:00			1	DRILLING FROM 5889' TO 5895'
	13:00 - 14:00		CIRC	1	PUMP PILL, CHANGE PLAN GO BACK TO DRILLING
	14:00 - 15:30	1.50	DRL.	1	DRILLING NO PROGRESS
	15:30 - 18:00	2.50	DRL	1	MADE AND PUMPED BIT UNBALLING PILL WHILE ATTEMPTING TO DRILL NO
					PROGRESS
	18:00 - 00:00	6.00	TRP	10	TOOH TIGHT HOLE AT 5800' BACK REAMED THROUGH TIGHT SPOT AND
					TOOH NO OTHER PROBLEMS
	00:00 - 06:00	6.00	TRP	10	M/U NEW BIT RIH FILLEDPIPE EVERY 6 STANDS AFTER 3200 FOOT
3/3/2007	06:00 - 07:00	1.00		10	TRIP IN HOLE BRAKE CIRC EVERY 5 STAND
	07:00 - 08:00				WASH AND REAM TO 5801'
	08:00 - 10:30	2.50			REPAIR MUD PUMPS # 1 CHANGED OUT SWAB AND SEAT # 2 PUMP
	10.00	2.50			CHANGED OUT SWAB
	10:30 - 11:00	0.50	REAM		WASH REAM FROM 5801' TO 5895'
	11:00 - 11:30				PUMP 40 BBLS OF UNBALLING PILL
	11:30 - 12:00	0.50			DRILLING FROM 5895' TO 5901'
	11.30 - 12.00	0.30	DAL	'	DMILLING 1 1/0/00/20 1/0 03/01
					Printed: 3/6/2007 11:17:23 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/3/2007	12:00 - 12:30	0.50	RIG	2	REPAIR PUMP # 2 CHANGED SWAB
	12:30 - 03:30	15.00	DRL	1	DRILLING FROM 5901' TO 6014'
	03:30 - 04:00	0.50	RIG	2	REPAIR PUMP #2 CHANGED SWAB
	04:00 - 06:00	2.00	DRL	1	DRILL F/6014' T/ 6041'
3/4/2007	06:00 - 07:00	1.00	RIG	2	REPAIR MUD PUMP # 2 CHANGED SWAB AND VALVE
	07:00 - 08:30	1.50	DRL	1	DRILLING FROM 6041' TO 6067'
	08:30 - 09:30	1.00	REAM	1	TIGHT HOLE WORK PIPE WASHED AND REAMED TIGHT HOLE AT 6000'
	09:30 - 13:00		DRL	1	DRILLING FROM 6067' TO 6107'
	13:00 - 14:00		CIRC	1	CIRCULATE BOTTOMS UP
	14:00 - 18:30		TRP	14	SHORT TRIP INTO SHOE, SLM
	18:30 - 20:00		RIG	6	SLIP & CUT DRLG. LINE
	20:00 - 23:30		TRP	14	SHORT TRIP TO BOTTOM
	23:30 - 02:00		CIRC	1	CIRCULATE & CONDITION, MIX PILL FOR DRY JOB, FILL TRIP TANK
	02:00 - 02:30		SUR	1	DROP SURVEY TOOL, SURVEY @ 6068'
	02:30 - 03:00		TRP	2	TRIP OUT
	03:00 - 04:00		RIG	2	REPAIR TOP DRIVE HOSE
	04:00 - 06:00		TRP	2	TRIP OUT
1510007				2	TOOH, TO RUN 9 5/8 CASING
/5/2007	06:00 - 08:00		TRP		HELD SAFETY MEETING RIG UP LAY DOWN MACHINE
	08:00 - 09:30		TRP	1	
	09:30 - 12:30	3.00	TRP	1	LAYED DOWN 6 5/8 HWDP, 8 " DRILL COLLARS MONEL, AND MOTOR
					RETRIVED SURVEY DEPTH 6068 DEG9 AZI 149
	12:30 - 13:30		OTH		RETRIVED, WEAR BUSHING
	13:30 - 15:00	1.50	CSG	1	HELD SAFETY MEETING RIGGING UP CASING CREW, FILL UP TOOL, AND
					STABING BOARD
	15:00 - 03:00		CSG	2	RUN 140 JTS, 9 5/8 CASING 47#/FT, HCP-110, LT&C
	03:00 - 03:30	0.50	CIRC	1	CIRCULATE & CONDITION, LOST CIRCULATION @ 3300', 55 STKS 194GPM,
					MW-9.8, VIS 43, 7% LCM
	03:30 - 04:30	1.00	CMT	1	R/U HALLIBURTON TO CEMENT, SAFETY MEETING
	04:30 - 06:00	1.50	CMT	2	CEMENTING 9 5/8 CASING
3/6/2007	06:00 - 09:30	3.50	СМТ	2	CEMENTING
					LEAD- 842 SK, CBM- LIGHT, 10.5 PPG, YIELD 4.14, F/ 3000' T/5100'
					TAIL- 585 SK, 50- 50 POZ, 14.35 PPG, YIELD 1.25, F/5100' T/ 6100'
					BUMPED PLUG- @ 9AM 3-5-07, FLOAT HELD @ 3000PSI, RELEASED
				1	PRESSURE
	09:30 - 10:00	0.50	BOP	1	FINISH N/D BOP AND FLOW LINE
	10:00 - 12:00		CSG	7	SET SLIPS, CAMERON ROUGH CUT CASING, SET @ 280K
	12:00 - 14:00		BOP	1	4 BOLT BOP TO L/D DRILL PIPE
	14:00 - 15:00		CSG	1	L/D & CHANGE OUT ELEVATORS & BAILS
	15:00 - 18:00		TRP	2	TRIP IN TO L/D DRILL PIPE, INSTALL ROTATING HEAD RUBBER
	18:00 - 20:00		TRP	3	R/U L/D MACHINE & LAY DOWN PIPE
	20:00 - 21:30		TRP	2	TRIP IN HOLE
	21:30 - 01:30		TRP	3	LAY DOWN DRILL PIPE, RIG DOWN L/D TRUCK
				1	
	01:30 - 06:00	4.50	BOP	1	N/D BOP
				1	
				ŀ	
				1	
				1	

(3/89)

State of	Utah			
Division	of Oil,	Gas	and	Mining

ENTITY ACTION FORM - FORM 8

OPERATOR: Questar Exploration + Production Co

ADDRESS: 1571 East 1700 South

Phone No. <u>(435)781-4342</u>

Vernal, Utah 84978 (435)781-4300

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	ΤP	RG	County	Spud Date	Effective Date
B	90000	15879	43-047-38990	GB 1M 4 8 22R	NENE	4	85	22E	Uintah	1/24/07	3/23/07
WELL 1	COMMEN	rs: yna(CS		1		Υ	<u> </u>	CON	IFIDENTIA	. ,
WELL 2	COMMEN] [6:	<u></u>								
WELL 3	COMMEN	rs:									
NELL 4	COMMEN	TS:									
WELL 5	COMMEN	IS:									
ACTION	I CODES (A - Establis B - Add nev	See instruction h new entity for well to existing	s on back of form) or new well (single v	vell only) unit well)		RF	ECE'	IVED		tola ;	L Coldina
i	D - Re-assi E - Other (c	gn well from ou explain in comir	ne existing entity to ments section)	another existing entity a new entity Action Code was selected	ŀ	M	AR 2	1 2007 ias & Mi	oig: Offi	nature ce Administrator ille	3/16/07 Date

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Operations Summary Report

Well Name: GB 1M-4-8-22R 4-8-S 22-E 26 Location: **TRUE**

Rig Name:

43-047-38996

Spud Date: 1/24/2007 Rig Release: 3/7/2007 Rig Number: 32

Sub Code Code From - To Hours Date **Description of Operations** 1/24/2007 06:00 - 08:00 2.00 LOC RIG DOWN TO SKID RIG FOR TRUCKS 08:00 - 10:00 2.00 RIG UP CRAINE, TRUCKS TO PULL FRONT TWO MATS 10:00 - 15:30 5.50 LOC DIG CELLAR IN STALL RING SLID RIG 10' AHEAD W/ 4 TRUCKS, CRAINE, 2 D-8 CATS 15:30 - 17:00 1.50 LOC RIG BACK UP FRONT YARD 17:00 - 00:00 7.00 LOC 00:00 - 06:00 6 00 TRP PICK UP DP STAND IN DERRICK 4.00 LOC SET GAS BUSTER, CHOKE HOUSE IN W/ CRAIN, FLOW LINE 1/25/2007 06:00 - 10:00 10:00 - 12:00 TRYING TO SCREW IN TO BHA STANDING DERRICK 2.00 12:00 - 13:00 1.00 KICK PUMPS IN FROZE IN TOP DRIVE 13:00 - 16:00 STAND BHA BACK IN DERRICK TOP DRIVE BACK OUT DRILL PIPE IN TOP OF 3.00 MONEL DC HAD TO GET SCREWED BACK IN MONEL DC 16:00 - 17:00 1.00 RIG UNTHAW TOP DRIVE IN UPPER KELLY COCK 17:00 - 18:00 1.00 TRP PICK UP BHA SPUD IN 17 1/2 HOLE @ 1800 1/24/2007 DRILLING F/21 TO 47' 3.00 DRI 18:00 - 21:00 TIGHT UP STAND PIPE UNION 1.00 RIG 21:00 - 22:00 22:00 - 02:30 4.50 DRL DRILL F/ 47 TO 258 LAY DOWN 6 DP, TO 2 STD 6 5/8 HWD 02:30 - 05:00 2.50 TRP 05:00 - 06:00 1.00 REAM WASH 90' TO BOTTOM 1/26/2007 06:00 - 06:30 0.50 SUR SURVEY @ 261 1.2 DEG 54.0 AZ 06:30 - 10:30 4.00 DRL DRILL F/ 258 TO 350 CLEAN OUT SUCTION&DISCHARGE LINE ON CELLAR PUMP 10:30 - 11:00 0.50 11:00 - 11:30 0.50 DRL **DRILLING F/350 TO 374** 1.00 TRP L/D 5 JTS. PIPE & RUN IN 6 5/8 HWD 11:30 - 12:30 12:30 - 16:30 4.00 DRL DRILLING F/374 TO 526' 16:30 - 17:00 0.50 SUR SURVEY @ 476' 1.7 DEG 39.4 AZ 17:00 - 18:30 1.50 TRP SHORT TRIP TO BIT(SLM BOARD 526.0 STRAP 528.33 NO CORR.) 18:30 - 19:30 1.00 CIRC CIRC. SWEEP AROUND RUN 13 3/8 CSG. 19:30 - 22:00 2.50 TRP TRIP OUT RUN 13 3/8 CASING, L/D IBS, SHOCK SUB RIG UP CASING CREW, CHANGE OUT BAILES ON TOP DRIVE 22:00 - 00:00 2.00 CSG 00:00 - 03:00 3.00 CSG 2 RUN 12 JTS 13 5/8 CASING K-55 # 54.5 W/ WESTSTATE CASING 1.00 CIRC RIG UP CIRC 13 3/8 CSG. 03:00 - 04:00 2.00 CMT RIG CMT. HELD SAFTY MEETING CMT. 13 3/8 CSG 04:00 - 06:00 1/27/2007 06:00 - 07:00 1.00 CMT CEMENT 13 3/8 CSG. W/ 500 SK. TYP 3 0.2 VERASET, 1% CALCIUM CHLORID, 0.125#/SK POLYFLACK #14.5 PPG.YIELD 1.40 RETRUNED 9.5 BBL TO PIT FLOAT HELD.PLUG DOWN @ 06:30 RIG DOWN CEMENTER 07:00 - 12:00 5.00 WOT WOC 6.00 BOP CUT OFF PIPE, CHIP CMT DOWN 1 FT. FOR BASE PLATE ON HEAD, WELD ON 12:00 - 18:00 HEAD, TEST TO 1,000 PSI 18:00 - 06:00 12.00 BOP NIPPLE UP BOPS 1/28/2007 06:00 - 19:00 13.00 BOP TEST BOPS, HAD RETIGHT ALL FLANGE, TESTED HYDRILL, WING VAVLES, UNTHAW HCR VALVE, TESTED HCR CHANGE OUT 4 1/2 PIPE RAMS, BLOCKS 1.00 RIG 19:00 - 20:00 2.00 BOP TEST UPPER KELLY. 20:00 - 22:00 2.00 RIG FLIP PIPE RAMS OVER 22:00 - 00:00 00:00 - 01:00 1.00 BOP CHANGE OUT TEST JT. UNTHAW TOP DRIVE RETEST PIPE RAMS, NO GOOD 01:00 - 02:00 1.00 BOP 4.00 RIG NIPPLE DOWN BOPS, WAIT ON NEW DOUBLE GATE FROM QUAIL OUT 02:00 - 06:00 CASPER SHOULD BE HEAR @ 12:00 TO DAY NIPPE DOWN BOPS, WAIT ON DOUBLE GATE F/ QUAIL IN CASPER. 11.00 WOT 1/29/2007 06:00 - 17:00 UNTHAW KELLY HOSE, PUT KELLY HOSE EXT. PIPE ON TO KEEP HOSE OFF TOP DRIVE NIPPLE UP BOPS 6.00 BOP 17:00 - 23:00 7.00 BOP 2 TEST BOPS PIPE RAMS, BLINDS, CHOKE MANFOILD, WING VALVE, HCR, 23:00 - 06:00

Printed: 4/5/2007 8:21:03 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE
 Spud Date:
 1/24/2007

 Rig Release:
 3/7/2007

 Rig Number:
 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/29/2007	23:00 - 06:00	7.00	вор	2	CHECK VALVE UPPER, LOEWR KELLY VAVLE, LOW, 250 PSI 5MINS, HIGH 5,000 10 MIN, HY DRILL 250 LOW 5MIN. HIGH 2500 PSI 10 MINS. TEST CASING TO 1500 PSI FOR 30 MINS OK
1/30/2007	06:00 - 13:30	7.50	RIG	2	CASING TO 1900 PSI FOR 30 MINS ON NIPPLE DOWN ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD,INSTALL WEAR BUSHING, DRILL
			ĺ		MOUSE HOLE,
	13:30 - 19:00		RIG	2	NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE
	19:00 - 20:30		BOP	1	PUT TRUN BUCKLES ON BOP, CENTER BOP UP TO ROTARY TABLE
	20:30 - 00:00		TRP	1	P/ UP BHA
	00:00 - 01:00 01:00 - 04:30		TRP	2	TRIP IN HOLE TAGED CMT AT 470' DRILLING CMT ,FLOAT COLLAR, SHOE, & 10' NEW HOLE
	04:30 - 05:30		EQT	2	RIG UP, FIT TEST TO 61 PSI = 10.5 MUD WT BLEAD OFF 10 PSI IN 5MINS
	04.30 - 05.30	1.00	EQI	2	TESTED W/ SINGLE JACK TESTING
	05:30 - 06:00	0.50	TRP	3	LAY DOWN SLICK JT. DP, UP SPIRAL HWDP
1/31/2007	06:00 - 09:30		DRL	1	DRILLING F/ 526 TO 720
	09:30 - 11:00		CIRC	1	CIRC WHILE WORKING ON PASON EQUIPT.
	11:00 - 12:30		DRL	1	DRILLING F/ 720 TO 812
	12:30 - 13:00	0.50	ОТН		CIRC. WORK ON TOP DRIVE STALLING OUT W/ 10,000 WT
	13:00 - 13:30	0.50	DRL	1	DRILLING F/812 TO 830
	13:30 - 14:00		отн		CIRC. WORK ON TOP DRIVE
	14:00 - 15:30		DRL	1	DRILLING F/ 830 TO 904
	15:30 - 16:00		RIG	1	RIG SER.
	16:00 - 17:30		DRL	1	DRILLING F/ 904 TO 953
	17:30 - 20:00		OTH		WORK ON TOP DRIVE FILLTER COLAPSED
	20:00 - 20:30 20:30 - 21:30		DRL SUR	1	DRILL F/ 953 TO 1035 SURVEY @ 1,000' 1.6 DEG 35.2 AZ
	21:30 - 01:00		DRL	1	DRILL F/ 1035 TO 1147'
	01:00 - 02:30		OTH	'	CIRCULATE AND WORK PIPE WHILE CHANGE OUT FLITERS ON TOP DRIVE
	01.00 - 02.00	1.00	J		12 FILTERS ALL IN BAD CONDITION.
	02:30 - 06:00	3.50	DRL	1	DRILL F/ 1147' TO 1250
2/1/2007	06:00 - 13:00		DRL	1	DRILLING FROM 1250' TO 1483'
	13:00 - 15:30	2.50	RIG	2	WAITTING ON WELDER AND REPAIR STAND PIPE
	15:30 - 17:00	1.50	DRL	1	DRILLING FROM 1483' TO 1514'
	17:00 - 18:00		SUR	1	RAN WIRE LINE SURVEY AT 1444' 1.9 DEG. 37.30 AZI
	18:00 - 20:30		DRL	1	DRILLING FROM 1514' TO 1544'
	20:30 - 23:00		TRP	13	TRIP OUT OF HOLE TO CASING SHOE DUE TO MOTOR FAILURE ON TOP DRIVE
	23:00 - 03:00	4.00		2	CHANGE OUT TOP MOTOR ON TOP DRIVE, AND TESTED MOTOR
	03:00 - 04:30		TRP	13	TRIP IN HOLE TO 1079'
	04:30 - 06:00		REAM	1	WASH AND REAM FROM 1079' TO 1544'
2/2/2007	06:00 - 13:00		DRL		DRILLING FROM 1544' TO 1734'
	13:00 - 15:30		OTH		REPAIR PASON
	15:30 - 20:30 20:30 - 22:00	5.00	DRL	2	WELDER REPAIR DISCHARGE LINE ON PUMP # 2 DRILLING FROM 1734' TO 1796'
	22:00 - 22:00		CIRC	1	MADE CONNECTION HOLE PACKING OFF BENT TWO JOINTS PIPE
	22.00 - 23.00	1.00	UING	'	CIRCULATED HI VIS SWEEP
	23:00 - 00:30	1.50	DRL	1	DRILLING FROM 1796' TO 1801'
	00:30 - 02:00	1.50		2	REPAIR MUD PUMP CHANGE SWAB #1 PUMP
	02:00 - 06:00		DRL		DRILLING FROM TO 1801' TO 1920'
2/3/2007	06:00 - 11:00		DRL		DRILLING FROM 1900' TO 2017'
	11:00 - 11:30	0.50		1	SERVISE RIGRIG SERVICE
	11:30 - 12:00		ОТН		INSTALL ROTATING HEAD
	12:00 - 22:00	10.00	DRL	1	DRILLING FROM 2017' TO 2203'

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

 Spud Date:
 1/24/2007

 Rig Release:
 3/7/2007

 Rig Number:
 32

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Date	From - To	Hours	Code	Sub Code	Description of Operations
2/3/2007	22:00 - 22:30	0.50	отн		REPAIR TOP DRIVE
	22:30 - 23:00	0.50	SUR	1	WIRE LINE SURVEY AT 2133' 1.7 DEG. 36.2 AZM
	23:00 - 06:00	7.00	DRL	1	DRILLING FROM 2203' TO 2275'
2/4/2007	06:00 - 08:30	2.50	DRL	1	DRILLING FROM 2275' TO 2309'
	08:30 - 09:00	0.50	CIRC	1	PUMP SWEEPS AND CIRCULATE
	09:00 - 12:30		TRP	10	TRIP OUT OF HOLE FOR BIT
	12:30 - 14:30		TRP	10	CHANGE OUT BIT AND TRIP IN HOLE TO SHOE
	14:30 - 15:00		RIG	1	SERVICE TOP DRIVE
	15:00 - 15:30		TRP	10	TRIP IN HOLE HIT BRIDGE AT 873'
	15:30 - 23:00		REAM	1	WASH AND REAM FROM 873' TO 2164 EXCESSIVE AMOUNTS OF PEE
	70.00 20.00			ļ ·	GRAVEL COMING BACK ACROSS SHALE SHAKERS, RAISING WT AND VIS
	23:00 - 00:00	1.00	RIG	2	CHANGE OUT KELLY SAVER SUB
	00:00 - 05:00		TRP	10	PACKED OFF WORKING TIGHT HOLE FROM 2164 BACK REAM UP TO
	05:00 - 06:00		CIRC	1	CIRC. AND RAISE WT TO 9.2, VIS TO 40, REAMING TO BOTTOM
2/5/2007	06:00 - 08:30		REAM	1	WASH AND REAM FROM 2197 TO 2314
2/3/2001	08:30 - 14:00		DRL	1	DRILLING FROM 2309 TO 2390
	14:00 - 14:30		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	14:30 - 06:00	15.50		1	DRILLING FROM 2390 TO 2757
	06:00 -	13.50	DKL	i '	NOTE: AFTER RAISING VIS AND WT, TORQUE WENT AWAY
2/6/2007	06:00 - 09:30	2.50	DRL	1	DRILLING FROM 2757 TO 2832
2/6/2007			RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	09:30 - 10:00		DRL	1	DRILLING FROM 2832 TO 2895
	10:00 - 12:30		RIG	2	RIG REPAIR, FILL # 2 PUMP MOTOR WITH ANTIFREEZE
	12:30 - 13:00		DRL	1	DRILLING FROM 2895 TO 3230
	13:00 - 06:00			1	DRILLING FROM 2093 TO 3230 DRILLING FROM 3230 TO 3275
2/7/2007	06:00 - 07:00		DRL	1 -	
	07:00 - 07:30		RIG	2	RIG REPAIR DAY TANK ON #2 PUMP RAN OUT OF FUEL
1	07:30 - 10:30		DRL	1	DRILLING FROM 3275 TO 3339
	10:30 - 11:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	11:00 - 00:30		DRL	1	DRILLING FROM 3339 TO 3593
ŀ	00:30 - 01:30		RIG	2	RIG REPAIR #2 PUMP, REPLACED VALVE & SEAT IN SUCTION
ļ	01:30 - 06:00		DRL	1	DRILLING FROM 3593 TO 3664
2/8/2007	06:00 - 10:30		DRL	1	DRILLING FROM 3664 TO 3750
	10:30 - 11:30		RIG	2	CHANGE OUT MIDDLE DISCHARGE VALVE AND SEAT # 1 PUMP
	11:30 - 17:00		DRL	1	DRILLING FROM 3750 TO 3847
	17:00 - 18:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	18:00 - 19:00	1.00	DRL	1	DRILLING FROM 3847 TO 3870
	19:00 - 21:00	2.00	TRP	13	PRESSURE LOSS, BIT QUIT DRILLING, LOOKING FOR PRESSURE LOSS WENT THROUGH BOTH PUMPS
	21:00 - 22:00	1.00	TRP	13	MIX UP PILL
	22:00 - 22:30		TRP	13	DROP SURVEY
	22:30 - 23:00		TRP	13	PUMP PILL
	23:00 - 01:30		TRP	13	TRIP OUT FOR MOTOR
	01:30 - 06:00		TRP	13	TWO 2" HOSES BLEW INTO BETWEEN TOP DRIVE UNIT AND 1/4 WAY UP
					DERRICK, WHILE BREAKING OUT SAVER SUB TO PULL OUT HWDP
i	06:00 -				NOTE: HAD 6 TH MAN CHANGE LINERS IN #1 PUMP TO 5 1/2
2/9/2007	06:00 - 12:30	6.50	отн		WORKING ON TESCO TOP DRIVE, REPLACING 2" HOSES, PROBLEMS W/
1	12				BACK PRESSURE ON GRABBER
	12:30 - 13:30	1,00	TRP	13	TRIP OUT TO SHOE
	13:30 - 15:00		отн	_	WORKING ON BACKPRESSURE ON GRABBER, REPLACE CHECK VALVE
	15:00 - 18:00		TRP	1	TRIP OUT , CHANGE OUT BIT AND MOTOR, CLOSE AND OPEN BLINDS, PIPES
	10.00 - 10.00	3.00		'	AND HYDRIL
	18:00 - 23:00	5.00	TRP	13	TRIP IN TO 1100', HIT BRIDGE, COULD NOT CIRCULATE THROUGH STRING

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Questar E & P

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

 Spud Date:
 1/24/2007

 Rig Release:
 3/7/2007

 Rig Number:
 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/9/2007	23:00 - 02:00	3.00	TRP	13	TRIP OUT TO MOTOR,
	02:00 - 04:00	2.00	TRP	13	FLOAT BROKE, CLEAN JUNK OUT OF MOTOR
	04:00 - 05:30	1.50	TRP	2	TRIP IN WITH MOTOR AND IBS, CIRCULATE THROUGH BHA, GOOD
	05:30 - 06:00	0.50	TRP	2	TRIP IN WITH BHA
/10/2007	06:00 - 07:00	1.00	TRP	2	TRIP INTO 1100
	07:00 - 07:30	0.50	отн		INSTALL TRIP SLEEVE IN ROTATING HEAD
	07:30 - 16:00		REAM	1	WASH AND REAM FROM 1100' TO 3183
	16:00 - 17:00		ОТН	1	INSTALL ROTATING HEAD RUBBER.
	17:00 - 18:00		REAM	1	HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO
	17.00			1.	CIRCULATION
	18:00 - 22:00	4.00	CIRC	2	LOST CIRC, PACKED OFF, BACK REAM FROM 3207 TO 3179, GOT RETURNS
	22:00 - 01:00		CIRC	1	CIRCULATE AND CONDITION MUD
	01:00 - 02:00		TRP	2	TRIP IN HOLE TO 3780
			1	1	WASH AND REAM FROM 3780 TO 3860
	02:00 - 04:00		REAM		
	04:00 - 05:00		RIG	2	RIG REPAIR, GO THROUGH # 2 PUMP CLEAN OUT ROCKS
	05:00 - 05:30		REAM	1	WASH AND REAM FROM 3860 TO 3870
	05:30 - 06:00		DRL	1	DRILLING FROM 3870 TO 3875
/11/2007	06:00 - 08:00		DRL	1	DRILLING FROM 3875' TO 3927'
	08:00 - 09:30		RIG	2	REPAIR MUD PUMP # 2
	09:30 - 21:30	12.00		1	DRILLING FROM 3927' TO 4164'
	21:30 - 22:00		RIG	2	CHANGE OUT TWO SHAKER SCREEN ON ONE ON EACH SHAKER
	22:00 - 06:00	8.00	DRL	1	DRILLING FROM 4164' TO 4280, AT 4242' HOLE STARTED TAKING MUD
					AVERAGE 65 BBL / HR. ADDED 20 SKS NEW CARB, 20 SKS MICA, 20 SKS
					DYNA FIBER, AND 20 SKS ASH PHALT IN 1 HOUR 15MIN LOSSES WERE
				1	DOWN TO 12 BBLS / HOUR
/12/2007	06:00 - 09:00	3.00	DRL	1	DRILLING FROM 4292' TO 4326'
	09:00 - 05:00	20.00	RIG	2	CIRCULATE AND CONDITION WHILE ATTEMPT TO REPAIRING # 2 MUD PUMP
					DISCHARGE, REPAIRS FAILED CHANGED OUT DISCHARGE MODULE
	05:00 - 06:00	1.00	DRL	1	DRILLING FROM 4326' TO 4340'
/13/2007	06:00 - 11:00	5.00	DRL	1	DRILLING FROM 4340' TO 4379'
	11:00 - 12:00		SUR	1	DROP SURVEY AT 4309' 1.5 DEG 61.20 AZI
	12:00 - 19:30		TRP	10	TRIP OUT OF HOLE DUE TO PENETRATION RATE
	19:30 - 22:00		отн		PULLED WEAR BUSHING TO CHECK WEAR, DRILL PIPE RIDING ON SIDE OF
	13.30 - 22.00	2.00	J		BOPS SLIGHT WEAR ON WEAR BUSHING RE RAN WEAR BUSHING
	22:00 - 02:30	4.50	TRP	10	MADE UP BIT # 5 SMITH MX9539 AND TRIP IN HOLE (1.5 HOURS TO LATCH
	22:00 - 02:30	4.50	IKP	10	to the first of the control of the c
	00.00 04.00	4.50	510	_	ONTO STAND OF 8" DRILL COLLARS)
	02:30 - 04:00		RIG	6	SLIPPED AND CUT DRILL LINE
	04:00 - 06:00		OTH		ADJUST TOP DRIVE TRACK AND ALINE BOPS WITH ROTARY TABLE
/14/2007	06:00 - 09:00		TRP	10	TRIP IN HOLE TO 4300
	09:00 - 10:30		REAM	1	SAFETY WASH 79' TO BOTTOM 20' OF FILL
	10:30 - 14:30		DRL	1	DRILLING FROM 4379 TO 4416
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	15:00 47:00	0.00	DDI	1	DRILLING FROM AA16 TO AA21
	15:00 - 17:00		DRL	1 .	DRILLING FROM 4416 TO 4431
	17:00 - 18:00	1.00		2	RIG REPAIR, REPLACE SUCTION VALVE AND SEAT IN # 1 PUMP
	18:00 - 01:30		DRL	1	DRILLING FROM 4431 TO 4478
	01:30 - 05:00	3.50	RIG	2	RIG REPAIR # 1 PUMP SUCTION VALVE AND SEAT, BULL WHEEL SIDE, ALSO
					CHANGED VALVE IN DISCHARGE MIDDLE
	05:00 - 06:00		DRL	1	DRILLING FROM 4478 TO 4487
/15/2007	06:00 - 10:30		DRL	1	DRILLING/ 4487 TO 4500
	10:30 - 13:00	2.50	RIG	2	CHANGE OUT VALVE, SEAT IN # 2PUMP CENTER POT
	13:00 - 13:30	0.50	RIG	1	RIG SER
	13:30 - 14:00		DRL	1	DRILL F/ 4500 TO 4520
					Printed: 4/5/2007 8:21:03 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: 3/7/2007 Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/15/2007	14:00 - 15:00		CIRC	1	CIRC, MIX , PUMP SWEEP LMC (LOST 120 BBL. MUD)
	15:00 - 18:00	3.00	DRL	1	DRILL F/ 4520 TO 4584
	18:00 - 23:00		DRL	1	DRILL F/4584 TO 4619
	23:00 - 00:00	1.00	RIG	2	GO THRU #2 MUD PUMP, CHANGE OUT VALVES ON SUCTION AND DISCHARGE
	00:00 - 03:00	3.00	DRL	1	DRILL F/4619 TO 4641
	03:00 - 03:30	0.50	RIG	2	WORK ON #2 PUMP, CHANGE OUT VALVES IN MIDDLE SECTION
	03:30 - 06:00	2.50	DRL	1	DRILL F/4641 TO/
2/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL F/ 4671' TO/ 4686' (LOST 100 BBLS MUD, DRAIN VALVE TO TRIP TANK WAS LEFT OPEN)
	10:00 - 13:00	3.00	REAM	1	REAMING, WORK TORQUE OUT
	13:00 - 16:00	3.00	CIRC	1	CIRCULATE & CONDITION MUD, MIX & PUMP DRY JOB
	16:00 - 18:30	2.50	TRP	10	T.O.O.H TO HWDP, SLM 4685'
	18:30 - 03:30	9.00	ISP	1	INSPECT BHA & LAY DOWN 4 JTS OF 4 1/2" HWDP
	03:30 - 06:00	2.50	TRP	1	LAY DOWN MOTOR, SHOCK TOOL, IBS STABILIZER, BIT
2/17/2007	06:00 - 07:00		TRP	1	LAY DOWN STABILIZER & MUD MOTOR
	07:00 - 08:00		TRP	1	TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS
	08:00 - 12:00		TRP	2	ТІН
	12:00 - 14:00		REAM	1	WASH & REAM F/3254', T/3515'
	14:00 - 15:00	1.00	TRP	2	TIH
	15:00 - 15:30	0.50	REAM	1	WASH & REAM F/4602 T/ 4685
	15:30 - 16:00	0.50	DRL	1	DRILL F/ 4685 T/ 4688
	16:00 - 16:30	0.50	CIRC	1	CONDITION & CIRC, PUMP SWEEP
	16:30 - 17:30	1.00	DRL	1	DRILL F/ 4688' T/ 4701
	17:30 - 18:00	0.50	SUR	1	DEVIATION SURVEY @ 4610' (1.2 DEVIATION)
	18:00 - 18:30	0.50	DRL	1	DRILL F/4701 T/ 4707
	18:30 - 19:00	0.50	CIRC	2	LOST CIRCULATION, 100 BBL LOSS
	19:00 - 06:00	11.00	CIRC	1	WORK TIGHT SPOT, CIRC & COND MUD, JARING TIGHT HOLE @ 4693', 14FT OFF BOTTOM
2/18/2007	06:00 - 14:00	8.00	FISH	3	JARING ON STUCK PIPE @ 4693 UP TO 4672
	14:00 - 21:30	7.50	FISH	4	RIG UP WEATHFORD WIRE LINE TRUCK TO FREE POINT
	21:30 - 05:00	7.50	FISH	5	SPOT 300 LBS FRACK SAND IN MUD MOTOR DID NOT WORK SPOTED 300LBS SAND AGAN STILL DID NOT WORK
	05:00 - 06:00	1.00	FISH	3	JARING ON STUCK PIPE W/ ON STEEL BALL TO LOCK UP MOTOR SO WE CAN BACK OFF
2/19/2007	06:00 - 12:00	6.00	FISH	3	JARING ON STUCK PIPE, CAME FREE
	12:00 - 13:00		TRP	2	TRIP OUT 2 STANDS
	13:00 - 14:30		CIRC	1	CIRCULATE, MIX & PUMP PILL, L/D FREE POINT CREW
	14:30 - 18:00		TRP	2	T.O.O.H, L/D DRILLING JARS
	18:00 - 20:00	2.00	TRP	2	T.O.O.H
	20:00 - 22:00		TRP	1	L/D SHOCK SUB, MOTOR, PDC BIT, MONEL
	22:00 - 23:00	1.00	RIG	1	WORK ON TOP DRIVE
	23:00 - 00:00	1.00	TRP	1	P/U JUNK BASKET, MILL TOOTH BIT
	00:00 - 06:00	6.00	TRP	2	TRIP IN HOLE
2/20/2007	06:00 - 07:00	1.00	REAM	1	WASH 90 ' TO BOTTM 4617 TO 4707
	07:00 - 07:30	0.50	FISH	5	WORK JUNK SUB ON BOTTOM PICK UP BALL , NUTS
	07:30 - 08:00	0.50	DRL	1	DRILLING F/ 4707 TO 4718
	08:00 - 08:30	0.50	CIRC	1	CIRC, MIX & PUMP PILL
	08:30 - 12:00	3.50	TRP	2	TRIP OUT HOLE W/ JUNK SUB (CLOSED BLIND RAMS, WORKED PIPE RAMS)
	12:00 - 12:30	0.50	FISH	5	CLEAN OUT JUNK SUB (RECOVERED 176 STEEL BALL, 76 1/4, 1/2 NUTS)
	12:30 - 15:00		TRP	1	L/D BIT SUB, P/U MUD MOTOR, MONEL DC.
	15:00 - 18:30	3.50	TRP	2	TRIP IN HOLE
	18:30 - 19:00	0.50	REAM	1	WASH & REAM 30' TO BOTTOM, F/4688' T/ 4718'
		_			

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: 3/7/2007 Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2007	19:00 - 21:30	2.50	DRL	1	DRILL F/ 4718' T/4780'
	21:30 - 22:30	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE SWAB
	22:30 - 00:00	1.50	DRL	1	DRILL F/4780' T/4812'
	00:00 - 01:00	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE ANOTHER SWAB
	01:00 - 01:30	0.50	DRL	1	DRILL F/4812' T/4831'
	01:30 - 02:00	0.50	RIG	2	COOL #2 MUD PUMP
	02:00 - 06:00	4.00	DRL	1	DRILL F/4831' T/4913'
/21/2007	06:00 - 14:30	8.50	DRL	1	DRILL F/4913'- T/5045'
	14:30 - 15:00	0.50	RIG	2	RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES
	15:00 - 16:30	1.50	DRL	1	DRILL F/ 5045' T/5065'
	16:30 - 17:00	0.50	RIG	1	SERVICE RIG
	17:00 - 19:00	2.00	DRL	1	DRILL F/5065' T/5071'
	19:00 - 19:30	0.50	RIG	2	RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR
	19:30 - 21:00	1.50	DRL	1	DRILL F/5071' T/ 5078', MW 9.7, 47 VIS,
	21:00 - 22:30	1.50	CIRC	1	CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY
	22:30 - 04:00	5.50	TRP	10	P.O.O.H, TRIP OUT FOR BIT
	04:00 - 06:00	2.00	TRP	1	L/D & P/U MOTOR & BIT
/22/2007	06:00 - 07:00	1.00	TRP	1	P/U BHA
	07:00 - 08:30		TRP	10	TRIP IN HOLE TO SHOE
	08:30 - 10:00	1.50	RIG	6	CUT DRILLING LINE
	10:00 - 13:00	3.00	TRP	10	TRIP IN HOLE
	13:00 - 14:00		REAM	1	WASH TO 30 TO BOTTOM (BLOW BOTTOM OFF GOOD BEFOR DRLG.) NO FILL
	14:00 - 15:00	1.00	DRL	1	DRILLING F/ 5078 TO 5165 (HELD BOP DRILL 2 MIN,)
	15:00 - 15:30		RIG	1	RIG SER. & SER. TOP DRIVE, (WORK PIPE RAMS)
	15:30 - 00:30		DRL	1	DRILLING F/ 5165 TO 5258
	00:30 - 02:00	1.50	RIG	2	RIG REPAIR, WORK ON # RIG PUMP, CHANGE
	02:00 - 04:00	2.00	DRL	1	DRILLING F/5258' T/5323
	04:00 - 04:30	0.50	RIG	2	RIG REPAIR, 1 SUCTION VALVE ON #2 PUMP
	04:30 - 06:00	1.50	DRL	1	DRILLING F/5323' T/5335
/23/2007	06:00 - 10:30	4.50	DRL	1	DRILLING F/ 5335 TO 5428
	10:30 - 12:00	1.50	RIG	2	TURNED FAN AROUND ON # 1 & # 2 PUMPS
	12:00 - 13:30	1.50	DRL	1	DRILLING F/ 5428 TO 5449
	13:30 - 15:00	1.50	RIG	2	CHANGE SWAB IN # 2 PUMP MIDDLE POT
	15:00 - 06:00	15.00	DRL	1	DRILLI F/ 5449 TO 5570
/24/2007	06:00 - 10:00		DRL	1	DRILLING F/ 5570 TO 5609
	10:00 - 10:30		RIG	1	RIG SER., TOP DRIVE SER.
	10:30 - 11:30		RIG	2	CHANGE LINER, SWAB IN # 2 PUMP BILL WHEEL SIDE
	11:30 - 16:00		DRL	1	DRILLING F/ 5609 TO 5627
	16:00 - 16:30		CIRC	1	CIRC COND FOR TRIP
	16:30 - 17:00		SUR	1	SURVEY @ 5597 .5 DEG 157.6 AZ
	17:00 - 17:30		CIRC	li	PUMP PILL, BLOW KELLY OUT
	17:30 - 23:00		TRP	10	TRIP OUT FOR BIT # 9 (HAD TRIP BOP DRILL)
	23:00 - 00:00		TRP	1	CHANGE OUT BITS (CLOSED BLINDS RAMS, OPEN)
	00:00 - 06:00		TRP	10	TRIP IN HOLE
/25/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE TAGED UP @4785 TITE
32312001	07:00 - 12:00	4	CIRC	10	WORK TITE HOLE, LOST 130 BBLS MUD, RUN STAND IN 4813
	12:00 - 17:00		RIG	2	CHANGE PUMP ON TOP DRIVE
	17:00 - 17:30		TRP	10	TRIP IN HOLE
	17:30 - 17:30		REAM	1	WASH 60 ' TO BOTTOM
	18:00 - 19:00		DRL	1	DRILL F/5627 TO 5629
	19:00 - 19:00		RIG	2	WORK ON # 1PUMP SWAB, #1 CHAGER PUMP SWITCH DOWN
	13.00 - 20.30	,.50	1.110	-	

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: 3/7/2007 Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	20:30 - 21:00	0.50	DRL	1	DRILL F/ 5629 TO 5630
	21:00 - 23:00	2.00	RIG	2	CHANGE SEAT,#1 PUMP BULL WHEEL SIDE,CHANGE SWAB MIDDLE
	23:00 - 02:00	3.00	DRL	1	DRILL F/ 5630 TO 5649
	02:00 - 03:00		CIRC	2	LOST CIRC @ 5649 LOST 300 BBLS.
	03:00 - 04:30	1.50	TRP	2	TRIP OUT HOLE TIGHT @ 4810
	04:30 - 06:00		REAM	1	BACK REAMING F/ 48 10 TO 4809
2/26/2007	06:00 - 07:00		CIRC	2	LOST CIRC (150 BBLS)
L/20/200.	07:00 - 09:00		TRP	2	TRIP OUT 10 STAND COULDN'T CIRC TRIP TO 4750, BACK REAMING TO 4785
	09:00 - 10:30		TRP	2	TRIP BACK IN HOLE
	10:30 - 12:30		DRL	1	DRILL F/5649 TO 5670
	12:30 - 13:30		CIRC	1	WORK TIGHT HOLE @ 5670 ON CONN.
	13:30 - 23:00		DRL.	i	DRILLING F/5670 TO 5732
	23:00 - 00:00		CIRC	1	WORK TIGHT HOLE @ 5732 TO 5642 (3 TIMES HOLE GOOD FREE)
	00:00 - 06:00		DRL	1	DRILLING 5732 TO (DRILL W/ NO FLUID LOST)
		0.00	DILL	'	DIVIDENTA STOP (BIVILLE WI NO I ESID ESST)
	06:00 -		DD1		DRILLING 5780 TO 5804
2/27/2007	06:00 - 09:00		DRL	1	BACK REAM, JARING UP THROW TIGHT HOLE @ 5803 TO 5700
	09:00 - 15:00		REAM		CHANCE OUT COARDED DIES IN TOD DOINE
	15:00 - 15:30		RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
15:30 - 18:00		TRP	2	TRIP OUT HOLE TO 3127 TIGHT	
	18:00 - 06:00		REAM	1	WORK TIGHT HOLE F/ 3127 TO 3072 (55')
2/28/2007	06:00 - 09:00	3.00	FISH	3	WORKING TIGHT HOLE JARING UP (3272 , 3464 PULLED 1 STD TIGHT AGAIN
					3400 JARED OUT TO 3369
	09:00 - 14:00		TRP	2	TRIP OUT HOLE
	14:00 - 17:00		TRP	1	L/D BHA. BIT, MM, JARS, AND STAB
	17:00 - 22:00		TRP	1	TRIP IN HOLE, TIGHT HOLE AT 3257' WORKED PIPE
	22:00 - 02:00	4.00	CIRC	1	CIRCULATE AND RAISE MUD WEIGHT TO 9.7 AT 3077'
	02:00 - 03:00	1.00	TRP	1	LOST RETURNS PULLED 2 STANDS
	03:00 - 05:30	2.50	CIRC	1	PUMP 2 50 LCM PILL AND CIRC
	05:30 - 06:00	0.50	TRP	1	TIH.
3/1/2007	06:00 - 07:30	1.50	TRP	2	TRIP IN HOLE
	07:30 - 08:00	0.50	REAM	1	WASHING TO BOTTOM LOST CIRC.
	08:00 - 08:30	0.50	TRP	2	TRIP OUT 10 STD.
	08:30 - 10:00	1.50	CIRC	1	MIX UP LCM PILL, PUMP
	10:00 - 14:00		CIRC	2	CIRC, BUILD MUD VOLUME
	14:00 - 15:30		TRP	2	TOOH TO 3130' TIGHT HOLE FROM 3250' TO 3130'
	15:30 - 19:00		CIRC	2	CIRC GOOD RETURNS REAM THROUGH TIGHT SPOT, BUILD VOLUME
	19:00 - 21:00		TRP	2	TIH BROKE CIRC EVERY 5 STANDS
	21:00 - 06:00	1	DRL	1	DRILLING FROM 5804' TO 5889'
2/2/2007	06:00 - 13:00		DRL	i	DRILLING FROM 5889' TO 5895'
3/2/2007	13:00 - 14:00		CIRC	1	PUMP PILL, CHANGE PLAN GO BACK TO DRILLING
			DRL	1	DRILLING NO PROGRESS
	14:00 - 15:30				MADE AND PUMPED BIT UNBALLING PILL WHILE ATTEMPTING TO DRILL NO
	15:30 - 18:00	2.50	DRL	'	
			TO0	40	PROGRESS
	18:00 - 00:00	6.00	TRP	10	TOOH TIGHT HOLE AT 5800' BACK REAMED THROUGH TIGHT SPOT AND
			l	1	TOOH NO OTHER PROBLEMS
	00:00 - 06:00		TRP	10	M/U NEW BIT RIH FILLEDPIPE EVERY 6 STANDS AFTER 3200 FOOT
3/3/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE BRAKE CIRC EVERY 5 STAND
	07:00 - 08:00		REAM	1	WASH AND REAM TO 5801'
	08:00 - 10:30	2.50	RIG	2	REPAIR MUD PUMPS # 1 CHANGED OUT SWAB AND SEAT # 2 PUMP CHANGED OUT SWAB
	10:30 - 11:00	0.50	REAM	1	WASH REAM FROM 5801' TO 5895'
	11:00 - 11:30		CIRC	1	PUMP 40 BBLS OF UNBALLING PILL
	11:30 - 12:00		DRL	1	DRILLING FROM 5895' TO 5901'
	11.00 - 12.00	0.50			
		J			

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

 Spud Date:
 1/24/2007

 Rig Release:
 3/7/2007

 Rig Number:
 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/3/2007	12:00 - 12:30	0.50	RIG	2	REPAIR PUMP # 2 CHANGED SWAB
	12:30 - 03:30	15.00	DRL	1	DRILLING FROM 5901' TO 6014'
	03:30 - 04:00		RIG	2	REPAIR PUMP #2 CHANGED SWAB
	04:00 - 06:00	2.00	DRL	1	DRILL F/6014' T/ 6041'
3/4/2007	06:00 - 07:00	1.00	RIG	2	REPAIR MUD PUMP # 2 CHANGED SWAB AND VALVE
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	07:00 - 08:30		DRL	1	DRILLING FROM 6041' TO 6067'
	08:30 - 09:30		REAM	1	TIGHT HOLE WORK PIPE WASHED AND REAMED TIGHT HOLE AT 6000'
	09:30 - 13:00		DRL	1	DRILLING FROM 6067' TO 6107'
	13:00 - 14:00		CIRC	1	CIRCULATE BOTTOMS UP
	14:00 - 18:30		TRP	14	SHORT TRIP INTO SHOE, SLM
	18:30 - 20:00	1.50	RIG	6	SLIP & CUT DRLG. LINE
	20:00 - 23:30	3.50	TRP	14	SHORT TRIP TO BOTTOM
	23:30 - 02:00		CIRC	1	CIRCULATE & CONDITION, MIX PILL FOR DRY JOB, FILL TRIP TANK
	02:00 - 02:30		SUR	1	DROP SURVEY TOOL, SURVEY @ 6068'
	02:30 - 03:00		TRP	2	TRIP OUT
	03:00 - 04:00		RIG	2	REPAIR TOP DRIVE HOSE
	04:00 - 06:00		TRP	2	TRIP OUT
/5/2007	06:00 - 08:00		TRP	2	TOOH, TO RUN 9 5/8 CASING
	08:00 - 09:30		TRP	1	HELD SAFETY MEETING RIG UP LAY DOWN MACHINE
	09:30 - 12:30		TRP	1	LAYED DOWN 6 5/8 HWDP, 8 " DRILL COLLARS MONEL, AND MOTOR
	03.00 - 12.00	5.00	.,,,,	1	RETRIVED SURVEY DEPTH 6068 DEG9 AZI 149
	12:30 - 13:30	1.00	отн		RETRIVED, WEAR BUSHING
	13:30 - 15:00		CSG	1	HELD SAFETY MEETING RIGGING UP CASING CREW, FILL UP TOOL, AND
	15.50 - 15.00	1.00	000	'	STABING BOARD
	15:00 - 03:00	12 00	CSG	2	RUN 140 JTS, 9 5/8 CASING 47#/FT, HCP-110, LT&C
	03:00 - 03:30		CIRC	1	CIRCULATE & CONDITION, LOST CIRCULATION @ 3300', 55 STKS 194GPM,
	00.00 - 00.00	0.00	0		MW-9.8, VIS 43, 7% LCM
	03:30 - 04:30	1.00	CMT	1	R/U HALLIBURTON TO CEMENT, SAFETY MEETING
	04:30 - 06:00		CMT	2	CEMENTING 9 5/8 CASING
3/6/2007	06:00 - 09:30		CMT	2	CEMENTING
3,0,200,	00.00	0.00		[LEAD- 842 SK, CBM- LIGHT, 10.5 PPG, YIELD 4.14, F/ 3000' T/5100'
					TAIL- 585 SK, 50- 50 POZ, 14.35 PPG, YIELD 1.25, F/5100' T/ 6100'
					BUMPED PLUG- @ 9AM 3-5-07, FLOAT HELD @ 3000PSI, RELEASED
					PRESSURE
	09:30 - 10:00	0.50	вор	1	FINISH N/D BOP AND FLOW LINE
	10:00 - 12:00		CSG	7	SET SLIPS, CAMERON ROUGH CUT CASING, SET @ 280K
	12:00 - 14:00		BOP	1	4 BOLT BOP TO L/D DRILL PIPE
	14:00 - 15:00		CSG	1	L/D & CHANGE OUT ELEVATORS & BAILS
	15:00 - 15:00		TRP	2	TRIP IN TO L/D DRILL PIPE, INSTALL ROTATING HEAD RUBBER
	18:00 - 18:00		TRP	3	R/U L/D MACHINE & LAY DOWN PIPE
			TRP	2	TRIP IN HOLE
	20:00 - 21:30		TRP	3	LAY DOWN DRILL PIPE, RIG DOWN L/D TRUCK
	21:30 - 01:30		BOP	1	N/D BOP
770007	01:30 - 06:00			1 '	FINISH NIPPLE DOWN STACK
3/7/2007	06:00 - 07:00		BOP	7	FINISH CLEANING PITS, LAY DOWN TESCO TOP DRIVE, INSTALL B SECTION
	07:00 - 18:00	11.00	LOC	'	& NITE CAP, LOADING OUT RENTALS
1010007	00.00 40.00	40.00	100	4	CLEAN TANKS,RIG DOWN & LOAD OUT TOP DRIVE & RENTALS
3/8/2007	06:00 - 18:00		LOC	4	LOAD OUT RENTALS, INSPECTING DRILL PIPE
3/9/2007	07:00 - 18:00		LOC	4	INSPECTING DRILL PIPE 233 JTS.
3/10/2007	07:00 - 18:00		LOC	1 '	PREPARING TO MOVE, FINISH INSPECTING DRILL PIPE 349 JTS. 3 BENT JTS.
3/11/2007	07:00 - 18:00		LOC	4	
3/12/2007	08:00 - 18:00		LOC	4	LAY DERRICK DOWN, LOAD OUT 7 TRUCKS
4/1/2007	06:00 - 18:00	12.00	LOC	3	ENSIGN 24-RIG DOWN AND MOVE CAMPS TO LOCATION/RIG UP SAME, HAUL TUBULARS IN, OTHER LOCATION 60% RIGGED DOWN AND 40% OFF
					THAUL TUBULARS IN, UTHER LOCATION OUR RIGGED DOWN AND 40% OFF
		1	1		District 45 2007 0:21:02 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: TRUE

Spud Date: 1/24/2007 Rig Release: 3/7/2007 Rig Number: 32

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/1/2007	06:00 - 18:00	12.00		3	LOCATION (BACK YARD IS MOVED OUT)/HARD BANDING BHA/HAVE 4 LOADS OF TUBULARS STILL ON OLD LOCATION.
4/2/2007	18:00 - 06:00 06:00 - 18:00	12.00 12.00	OTH	4	WAIT ON DAYLIGHT RIG DOWN DERRICK, SUB, MOTOR PACKAGE, 100% RIGGED DOWN AND 100% OFF OLD LOCATION, SET MATTING BOARDS AND BOTTOM SUB, ALL 6" BHA IS HARD BANDED, (RING GROOVE ON SINGLE GATE HAS STUD MARKINGS-FLARED OUT)/ MONTORING BACK SIDE-GAINING250 EVERY HALF HOUR AND BLEEDING IT OFF.
4/3/2007	18:00 - 06:00 06:00 - 18:00		OTH LOC	4	WAIT ON DAYLIGHT SET IN SUBS, MOTOR PACKAGE, MUD TANKS, PUMPS, HOPPER HOUSE, PUT DERRICK TOGETHER, LIGHT PLANT, MUD CLEANING EQUIPMENT, BAR HOPPERS, PREMIX TANK 80% SET IN 25% RIGGED UP, BLEEDING PRESSURE OFF OF LAST WELL EVERY HALF HOUR UNTIL 1900-LETTING PRESSURE BUILD WHILE MONITORING.NOT TO EXCEED 5,000 PSI
4/4/2007	18:00 - 06:00 06:00 - 18:00		OTH LOC	4	WAIT ON DAY LIGHT/ LETTING WELL BUILD UP PRESSURE GET DERRICK READY AND PUT ON FLOOR, PUT COMPOUND TOGHETHER, SET IN GAS BUSTER LINES/EQUIPMENT, DIESEL TANKS, FIRE LIGHT PLANT, WELD HOLES IN MUD TANKS (BAD SHAPE), STRING CORDS, HOOKING UP LINES/PUMP SHED AND BACK YARD. STRING UP DERRICK (LOAED OUT 105 JT'S DRILL PIPE 4" XT 39 TO RIG 238)
4/5/2007	18:00 - 06:00 06:00 - 18:00		LOC	4	WAIT ON DAY LIGHT BROKE TOUR TODAY, INSPECT DERRICK TO RAISE AND RAISE DERRICK, RIG UP FLOOR TUGGER AND INSTAL HAND RAILS, UNBRIDLE, LAY DOWN PART OF TRACK THAT WAS BENT FROM LAST WELL,SET IN YELLOW DOG, FILL PITS WITH WATER, CHANGING OIL IN MUD PUMP, HOOK UP STAND PIPE, THERE WAS HANDS STANDING AROUND WATCHING OTHER HANDS ON A JOB THAT SHOULD ONLY TAKE TWO HANDS TO DO. GOT WITH PUSHER AND TOLD HIM THAT HE NEED TO SEPARATE HANDS, ONTO
	18:00 - 06:00	12.00	LOC	4	DIFFERENT TASK'S. SO HE STARTED SEPARATING THE HANDS AND PUTTING THEM ON DIFFERNT TASK'S. RIG UP WET SYSTEM ON BAR HOPPER'S, HOOK UP CHOKE LINE, KILL LINE, CHANGE SWABS, LINERS (SHORT TWO BE HERE THIS AM) RIG UP RETURN LINE ON GAS BUSTER, DRESS SHAKER'S, PUT CULVERT IN FOR MOUSE HOLE

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Operations Summary Report

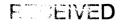
Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Rig Name: ENSIGN

43-047-38990

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

06:30 - 10:30	Date	From - To	Hours	Code	Sub Code	Description of Operations
1000 1000	1/24/2007	06:00 - 08:00	2.00	LOC	4	RIG DOWN TO SKID RIG FOR TRUCKS
10:00 - 16:30					1	RIG UP CRAINE, TRUCKS TO PULL FRONT TWO MATS
15:30 - 17:90 1-50 LOC 4 SLID RIG 10º AHÉAD W/ 4 TRUCKS, CRAINE, 2 D-3 CATS 17:00 - 0:000 17:00 0:000 0:000 0:000 0:000 0:000 1:000				LOC	4	
17:00 - 0.000						
100.00 - 0.600 6.00 TRP 1 PICK UP OP STAND IN DERRICK 100.0 - 12.00 2.00 10.00 12.00 2.00 12.00 13.00 16.00 17.00 13.00 16.00 17.00 13.00 16.00 17.00 18.00 10.00 17.00 18.00 10.00 17.00 18.00 10.00 17.00 18.00 10.00						
18:00 - 10:00					1 -	
10:00 - 12:00 2:00 1:00	1/25/2007				1	
12:00 - 13:00 1.00 13:00 - 16:00 13:00 13:00 16:00 - 17:00 1.00 16:00 - 17:00 1.00 17:00 1.00 17:00 18:00 17:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 1.00 17:00 18:00 18:00	1/23/2007			200	1	TRYING TO SCREW IN TO BHA STANDING DERRICK
13:00 - 16:00 10:00 10:00 16:00 17:00 10:00 17:00 10:00 17:00 10:00 10:00 17:00 10:0					1	KICK PLIMPS IN FROZE IN TOP DRIVE
16.00 - 17:00						STAND BHA BACK IN DERRICK TOP DRIVE BACK OUT DRILL PIPE IN TOP OF
16.00 - 17.00 1.00 RIG 17.00 - 18.00 1.00 TRP 1 17.00 + 18.00 1.00 TRP 1 18.00 - 21.00 3.00 DRL 1.00 TRP 1 18.00 - 21.00 3.00 DRL 1.00 TRP 1.00 TRP 1.00 22.00 0.230 0.500 0		13:00 - 10:00	3.00			MONEL DC HAD TO GET SCREWED BACK IN MONEL DC
17:00 - 18:00		10.00 17.55		DIC	E	
18:00 - 21:00 20:0						
21:00 - 22:00 1:00 RIG 22 TIGHT UP STAND PIPE UNION 22:00 - 02:30 4:50 TRP 2 LAY DOWN 6 DP, TO 2 STD 6 5/8 HWD 05:00 - 06:00 06:30 05:00 05:00 06:00 06:30 05:00 05:00 06:00 06:30 05:00 05:00 06:30 05:00 06:30 05:00 06:30 05:00 05:00 06:30 05:00 06:30 06:30 05:00 06:30 0						
22:00 - 00:00					1	
02:30 - 05:00 2:50 TRP 2 LAY DOWN 6 DP, TO 2 STD 6 5/8 HWD						
1.05:00 - 06:00						
1		02:30 - 05:00				
06:30 - 10:30		05:00 - 06:00				
06:30 - 10:30	1/26/2007	06:00 - 06:30	0.50	SUR		
10:30 - 11:00			4.00	DRL	1	DRILL F/ 258 TO 350
11:00 - 11:30			0.50			
11:30 - 12:30 12:30 - 16:30 12:30 - 16:30 17:00 - 18:30 17:00 - 18:30 17:00 - 18:30 17:00 - 18:30 17:00 - 18:30 17:00 - 18:30 17:00 - 18:30 18:30 - 19:30 18:30 - 19:30 18:30 - 20:00 19:30 - 20:00 19:30 - 20:00 10:00 - 00:00 10:00 - 00:00 10:00 - 00:00 10:00 - 00:00 10:00 - 00:00 10:00 - 10:00 10:00 - 19:00 10:00 - 00:00 10:00 - 19:00 10:00 - 20:00 10:00 - 20:00 10:00 - 20:00 10:00 - 00:00 10:00 - 19:00 10:00 - 19:00 10:00 - 19:00 10:00 - 19:00 10:00 - 19:00 10:00 - 19:00 10:00 - 10:00 10					1	
12:30 - 16:30						L/D 5 JTS. PIPE & RUN IN 6 5/8 HWD
16:30 - 17:00 17:00 - 18:30 17:00 - 18:30 17:00 - 18:30 19:30 - 19:30 100 CIRC 19:30 - 22:00 22:00 - 00:00 22:00 - 00:00 22:00 - 00:00 22:00 - 00:00 20:00 - 03:00 03:00 - 04:00 04:00 - 08:00 06:00 - 07:00 100 CMT 27/2007 100 CMT 2007 100 CMT 2000 CMT 2					1	DRILLING F/374 TO 526'
17:00 - 18:30						SURVEY @ 476' 1.7 DEG 39.4 AZ
18:30 - 19:30						SHORT TRIP TO BIT(SLM BOARD 526.0 STRAP 528.33 NO CORR.)
19:30 - 22:00						
22:00 - 00:00						
18:00 - 06:00 12:00 13:00 12:00 13:00 12:00 13:00 12:00 13:00 12:00 13:00 12:00 13:00 12:00 13:00 12:00 13:00 13:00 12:00 13:0						RIG UP CASING CREW, CHANGE OUT BAILES ON TOP DRIVE
1.00 03:00 - 04:00 04:00 06:00 04:00 - 06:00 06:00 06:00 06:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00 06:00 07:00						RUN 12 JTS 13 5/8 CASING K-55 # 54.5 W/ WESTSTATE CASING
104:00 - 06:00						
1.00						
0.125#/SK POLYFLACK #14.5 PPG.YIELD 1.40 RETRUNED 9.5 BBL TO PIT FLOAT HELD.PLUG DOWN @ 06:30 RIG DOWN CEMENTER 12:00 - 18:00	4.07.000		1			CEMENT 13 3/8 CSG W/ 500 SK TYP 3 0.2 VERASET, 1% CALCIUM CHLORID.
1	1/2//2007	00:00 - 07:00	1.00	CIVIT	4	0 125#/SK POLYELACK #14 5 PPG VIELD 1 40 RETRUNED 9 5 BBL TO PIT
12:00 - 12:00						
12:00 - 18:00				WOT	1.	
18:00 - 06:00						OUT OF DIDE CHID ONT DOWN 1 ET FOD DASE DEATE ON HEAD WELD ON
18:00 - 06:00		12:00 - 18:00	6.00	BOP	1	
18/2007 18/2007 18/200					1.	
19:00 - 20:00			1			NIPPLE UP BOPS
19:00 - 20:00	1/28/2007	06:00 - 19:00	13.00	BOP	2	
20:00 - 22:00		i i				
22:00 - 00:00		19:00 - 20:00				
22:00 - 00:00		20:00 - 22:00	2.00	BOP	2	TEST UPPER KELLY,
00:00 - 01:00				RIG	2	
01:00 - 02:00					2	CHANGE OUT TEST JT.UNTHAW TOP DRIVE
17:00 - 23:00						RETEST PIPE RAMS,NO GOOD
/29/2007						NIPPLE DOWN BOPS, WAIT ON NEW DOUBLE GATE FROM QUAIL OUT
11.00		UE.00 - 00.00	50	1	1	CASPER SHOULD BE HEAR @ 12:00 TO DAY
UNTHAW KELLY HOSE, PUT KELLY HOSE EXT.PIPE ON TO KEEP HOSE OFF TOP DRIVE 17:00 - 23:00	1/20/2007	06:00 - 17:00	11 00	WOT	4	NIPPE DOWN BOPS, WAIT ON DOUBLE GATE F/ QUAIL IN CASPER,
17:00 - 23:00	1/29/2007	30.00 - 17.00	11.00		1	UNTHAW KELLY HOSE PUT KELLY HOSE EXT. PIPE ON TO KEEP HOSE OFF
17:00 - 23:00		1		İ		
23:00 - 06:00 7.00 BOP 2 TEST BOPS PIPE RAMS, BLINDS, CHOKE MANFOILD, WING VALVE, HCR,		47.00 00 55		800	1	
			L		1 -	TEST BODS DIDE DAMS BLINDS CHOKE MANFOLD WING VALVE HCR
		23:00 - 06:00	7.00	ROP	2	PIEST BOFS FIFE RAMS, BEINDS, CHOILE MAIN OLD, MING VIEVE, HOLD
				<u> </u>	1	Printed: 5/2/2007 9:14:30 AM



MAY 0 2 2007

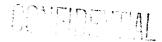
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

10,000 13,30 15,00 15,	Date	From - To	Hours	Code	Sub Code	Description of Operations
12007 06:00 - 13:30 7.50 RIG 2 NIPPLE DOWN ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE P/UP BHA MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP BHA MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP PLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP PLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK USE HOLE, NIPPLE UP ROTATING HEAD, HOW IN THE PLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOW IN THE PLOW LINE MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOUSE HOLE, NIPPLE UP HIS HOUSE, NIPPLE UP HIS HOUSE, NIPPLE WHILE CHANGE OUT FLITTENS ON TOP DRIVE CIRC WHITE HOLE TO ASSIST HEAD HOLE TO ASSIST HOLE, NIPPLE WHILE CHANGE OUT FLITTENS ON TOP DRIVE LIFE HOUSE, NIPPLE WHILE CHANGE OUT FOR HOLE TO TASH HOUSE, NIPPLE WHILE CHANGE OUT FOR HOLE TO TASH HOLE TO HOUSE	1/29/2007	23:00 - 06:00	7 00	BOP	2	CHECK VALVE UPPER, LOEWR KELLY VAVLE, LOW, 250 PSI 5MINS, HIGH
08:00 13:30 7:50 RIG 2	112312001	20.00 - 00.00	1.50		-	
13:30 - 19:00 7:50 RIG 2 NIPPLE DOWN ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD, INSTALL WEAR BUSHING, DRILL MOUSE HOLE, I 19:00 - 20:30 1:50 BOP 1 PUT TRUM BUCKLES ON BOP, CENTER BOP UP TO ROTARY TABLE PUT TRUM BUCKLES ON BOP, CENTER BOP UP TO ROTARY TABLE PUT TRUM BUCKLES ON BOP, CENTER BOP UP TO ROTARY TABLE PUT BHA						
13:30 - 19:00	1/30/2007	06:00 - 13:30	7,50	RIG	2	
13:30 - 19:00 19:00 - 20:30 15:0	., 50, 2001	10.00	, .50	· · · -	1	
1330 - 1900		1				
1990 - 2030 150 BOP 1		13:30 - 19:00	5,50	RIG	2	
2030 - 00.00 3.50 TRP 1 P/UP BHA 1 P/UP BHA 1 0.00 1.00 1.00 TRP 1 0.00 1.00 1.00 TRP 1 0.00 1.00 1.00 TRP 1 0.00 1.00						
100.00 - 01.00						
01:00 - 04:30		1				
04:30 - 05:30						
12007 06:00 - 09:30 0.50 TRP 3					2	
1/2007 06:00 - 09:30 3.50 DRL 1 DRILLING F/526 TO 720 DRILLING F/320 TO 720 DRILLING F/320 TO 720 DRILLING F/320 TO 812 CIRC WHILE WORKING ON PASON EQUIPT. DRILLING F/526 TO 720 DRIL 12:30 - 13:30 0.50 DRIL 13:30 - 13:30 0.50 DRIL 13:30 - 13:30 0.50 DRIL 13:30 - 13:30 0.50 DRIL 14:400 - 15:30 1.50 DRIL 15:30 1.50 DRIL 15:30 - 16:30 0.50 DRIL 16:00 - 17:30 1.50 DRIL 17:30 - 20:00 2.50 OTH 20:00 - 20:30 0.50 DRIL 10:00 - 02:30						
1/2007 06:00 - 09:30 3.50 DRL 1 DRILLING F/ 526 TO 720 11:00 - 12:30 15:00 DRL 1 DRILLING F/ 720 TO 812 12:30 - 13:00 0.50 DRL 1 DRILLING F/ 720 TO 812 CIRC WHILE WORKING ON PASON EQUIPT. DRILLING F/ 720 TO 812 CIRC WHILE WORKING ON PASON EQUIPT. DRILLING F/ 720 TO 812 CIRC WHILE WORKING ON PASON EQUIPT. DRILLING F/ 720 TO 812 CIRC WHILE WORKING ON PASON EQUIPT. DRILLING F/ 720 TO 812 CIRC WORK ON TOP DRIVE STALLING OUT W/ 10,000 WT DRILLING F/ 730 TO 94 DRILLING F/ 730 TO 940 CIRC WORK ON TOP DRIVE DRILLING F/ 730 TO 1483 TO 1440 DRILLING F/ 730		05:30 - 06:00	0.50	TRP	3	
19:30 - 11:00	1/31/2007				1	
11:00 - 12:30	 -					
12:30 - 13:30			!		1	DRILLING F/ 720 TO 812
13:00 - 13:30 0.50 DRL 1 DRILLING F/812 TO 830 CIRC. WORK ON TOP DRIVE DRILLING F/830 TO 904 TISSO 16:00 15:00 DRL 1 DRILLING F/830 TO 904 TISSO 16:00 15:00 DRL 1 DRILLING F/830 TO 904 TISSO 16:00 DRL 1 DRILLING F/830 TO 904 TISSO 17:30 - 20:00 2.50 DRL 1 DRILLING F/904 TO 953 WORK ON TOP DRIVE FILTER COLAPSED DRILLING F/904 TO 953 WORK ON TOP DRIVE FILTER COLAPSED DRILLING F/935 TO 1035 DRL 1 DRILLING F/904 TO 953 WORK ON TOP DRIVE FILTER COLAPSED DRILLING F/904 TO 953 TO 1035 DRL 1 DRILLIF /1035 TO 147 TISSO 147:00 DRIL F/1035 TO 147 TISSO 147:00 DRIL F/1035 TO 1487 TISSO 147:00 DRIL F/1035 TO 1487 TISSO 147:00 DRIL F/1035 TO 1487 TISSO 15:30 TISSO			0.50	отн		CIRC. WORK ON TOP DRIVE STALLING OUT W/ 10,000 WT
13:30 - 14:00 0.50 OTH 14:00 - 15:30 1.50 DRL 1 DRILLING F/830 TO 904 15:30 - 16:00 0.50 RIG 1 DRILLING F/830 TO 904 16:00 - 17:30 1.50 DRL 1 DRILLING F/904 TO 953 17:30 - 20:00 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 20:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 20:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 20:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 20:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 00:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 00:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 00:30 0.50 DRL 1 DRILLING F/904 TO 953 20:30 - 00:30 0.50 DRL 1 DRILLING F/904 TO 954 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 954 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904 20:30 - 20:30 2.50 DRL 1 DRILLING F/904 TO 904					1	DRILLING F/812 TO 830
14:00 - 15:30			0.50	отн	-	CIRC. WORK ON TOP DRIVE
16.00 - 17:30		14:00 - 15:30			1	DRILLING F/ 830 TO 904
17:30 - 20:00		15:30 - 16:00	0.50	RIG	1	
20:00 - 20:30		16:00 - 17:30			1	
20:30 - 21:30		17:30 - 20:00				
21:30 - 01:00		20:00 - 20:30			1	
01:00 - 02:30					1	
12 FILTERS ALL IN BAD CONDITION.					1	
1/2007		01:00 - 02:30	1.50	OTH		
13:00 - 13:00 7:00 0RL 1 0RILLING FROM 1250' TO 1483' WAITTING ON WELDER AND REPAIR STAND PIPE 17:00 - 18:00 1:00 0RL 1 DRILLING FROM 1483' TO 1514' 19:00 - 20:30 2:50 DRL 1 DRILLING FROM 1483' TO 1514' 19:00 - 20:30 2:50 DRL 1 DRILLING FROM 1514' TO 1544' 19:00 - 20:30 2:50 DRL 1 DRILLING FROM 1514' TO 1544' 19:00 - 20:30 2:50 DRL 1 DRILLING FROM 1514' TO 1544' 19:00 - 20:30 2:50 DRL 1 DRILLING FROM 1514' TO 1544' 19:00 - 20:30 0:300 04:30 06:00 1:50 DRL 1 DRILLING FROM 1514' TO 1794' 19:00 - 13:00 15:30 2:50 DRL 1 DRILLING FROM 1079' TO 1544' 19:00 - 13:00 15:30 2:50 DRL 1 DRILLING FROM 1079' TO 1544' 19:00 - 13:00 15:30 2:50 DRL 1 DRILLING FROM 1544' TO 1734' 19:00 - 13:00 1:50 DRL 1 DRILLING FROM 1734' TO 1796' 19:00 - 20:00 20:00 - 20:00 1:50 DRL 1 DRILLING FROM 1796' TO 1801' 19:00 - 11:30 0:50 DRL 1 DRILLING FROM 1796' TO 1801' 19:00 - 11:30 0:50 DRL 1 DRILLING FROM 1090' TO 2017' 11:00 - 11:30 0:50 DRL 1 DRILLING FROM 1090' TO 2017' 11:00 - 11:30 0:50 OTH DRILLING FROM 1090' TO 2017' 10:00 - 22:00 10:00 DRL 1 DRILLING FROM 1090' TO 2017' 10:00 - 22:00 10:00 DRL 1 DRILLING FROM 1090' TO 2017' 10:00 - 22:00 10:00 DRL 1 DRILLING FROM 1090' TO 2017' 10:00 - 22:00 10:00 DRL 1 DRILLING FROM 100' TO 2017' 10:00 - 22:00 10:00 DRL 1 DRILLING FROM 2017' TO 2203' 10:00 DRL 1 DRILLING FROM 2017' TO 2203' 10:00 DRL 1 DRILLING FROM 2017' TO 2203' 10:00 DRILLING FROM 2017' TO 2203' 10						
13:00 - 15:30				1		
15:30 - 17:00	2/1/2007			1		
17:00 - 18:00						
18:00 - 20:30						
20:30 - 23:00 20:30 - 23:00 20:30 - 03:00 4.00 RIG 23:00 - 03:00 03:00 - 04:30 04:30 - 06:00 1.50 REAM 7:00 7						
23:00 - 03:00						
23:00 - 03:00		20:30 - 23:00	2.50	TRP	13	
1.50						
04:30 - 06:00						
1						
13:00 - 15:30					1	
15:30 - 20:30	2/2/2007				1	
20:30 - 22:00						
22:00 - 23:00 1.00 CIRC 1 MADE CONNECTION HOLE PACKING OFF BENT TWO JOINTS PIPE CIRCULATED HI VIS SWEEP DRILLING FROM 1796' TO 1801' REPAIR MUD PUMP CHANGE SWAB #1 PUMP DRILLING FROM TO 1801' TO 1920' DRL 1 DRILLING FROM 1900' TO 2017' SERVISE RIGRIG SERVICE INSTALL ROTATING HEAD DRILLING FROM 2017' TO 2203'						
23:00 - 00:30						
23:00 - 00:30		22:00 - 23:00	1.00	CIRC	1	
00:30 - 02:00		00.00 00.00	4	DD		
02:00 - 06:00						
11:00						
11:00 - 11:30						
11:30 - 12:00	2/3/2007				1 '	
12:00 - 22:00			1	1	1	
					1.	
Distr. 577007 04430 AM		12:00 - 22:00	10.00	DRL	1	DRILLING FROM 2017: TO 2203:
Prints 527007 04430 AM						
Dista 570007 044-20 AM		1				
			L	L	1	Printed: 5/2/2007 9:14:30 AM



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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/3/2007	22:00 - 22:30	0.50	отн		REPAIR TOP DRIVE
	22:30 - 23:00		SUR	1	WIRE LINE SURVEY AT 2133' 1.7 DEG. 36.2 AZM
	23:00 - 06:00	7.00	DRL.	1	DRILLING FROM 2203' TO 2275'
2/4/2007	06:00 - 08:30	2.50	DRL	1	DRILLING FROM 2275' TO 2309'
	08:30 - 09:00	0.50	CIRC	1	PUMP SWEEPS AND CIRCULATE
	09:00 - 12:30	3.50	TRP	10	TRIP OUT OF HOLE FOR BIT
	12:30 - 14:30		TRP	10	CHANGE OUT BIT AND TRIP IN HOLE TO SHOE
	14:30 - 15:00		RIG	1	SERVICE TOP DRIVE
	15:00 - 15:30		TRP	10	TRIP IN HOLE HIT BRIDGE AT 873'
	15:30 - 23:00		REAM	1	WASH AND REAM FROM 873' TO 2164 EXCESSIVE AMOUNTS OF PEE GRAVEL COMING BACK ACROSS SHALE SHAKERS, RAISING WT AND VIS
	23:00 - 00:00	1.00	RIG	2	CHANGE OUT KELLY SAVER SUB
				10	PACKED OFF WORKING TIGHT HOLE FROM 2164 BACK REAM UP TO
	00:00 - 05:00		TRP		
	05:00 - 06:00		CIRC	1	CIRC. AND RAISE WT TO 9.2, VIS TO 40, REAMING TO BOTTOM
2/5/2007	06:00 - 08:30		REAM	1	WASH AND REAM FROM 2197 TO 2314
	08:30 - 14:00		DRL	1	DRILLING FROM 2309 TO 2390
	14:00 - 14:30		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	14:30 - 06:00	15.50	DRL.	1	DRILLING FROM 2390 TO 2757
	06:00 -			1	NOTE: AFTER RAISING VIS AND WT, TORQUE WENT AWAY
2/6/2007	06:00 - 09:30		DRL	1	DRILLING FROM 2757 TO 2832
	09:30 - 10:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	10:00 - 12:30	2.50	DRL	1	DRILLING FROM 2832 TO 2895
	12:30 - 13:00	0.50	RIG	2	RIG REPAIR, FILL # 2 PUMP MOTOR WITH ANTIFREEZE
	13:00 - 06:00	17.00	DRL	1	DRILLING FROM 2895 TO 3230
2/7/2007	06:00 - 07:00	1.00	DRL	1	DRILLING FROM 3230 TO 3275
	07:00 - 07:30	0.50	RIG	2	RIG REPAIR DAY TANK ON # 2 PUMP RAN OUT OF FUEL
	07:30 - 10:30	3.00	DRL	1	DRILLING FROM 3275 TO 3339
	10:30 - 11:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	11:00 - 00:30	13.50		1	DRILLING FROM 3339 TO 3593
	00:30 - 01:30		RIG	2	RIG REPAIR # 2 PUMP, REPLACED VALVE & SEAT IN SUCTION
	01:30 - 06:00		DRL	1	DRILLING FROM 3593 TO 3664
2/8/2007	06:00 - 10:30		DRL	1	DRILLING FROM 3664 TO 3750
2,0,200,	10:30 - 11:30		RIG	2	CHANGE OUT MIDDLE DISCHARGE VALVE AND SEAT # 1 PUMP
	11:30 - 17:00		DRL	1	DRILLING FROM 3750 TO 3847
	17:00 - 18:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	18:00 - 19:00		DRL	1	DRILLING FROM 3847 TO 3870
	19:00 - 21:00	2.00	TRP	13	PRESSURE LOSS, BIT QUIT DRILLING, LOOKING FOR PRESSURE LOSS WENT THROUGH BOTH PUMPS
	21:00 - 22:00	1.00	TRP	13	MIX UP PILL
	22:00 - 22:30		TRP	13	DROP SURVEY
	22:30 - 23:00		TRP	13	PUMP PILL
	23:00 - 01:30		TRP	13	TRIP OUT FOR MOTOR
	01:30 - 06:00		TRP	13	TWO 2" HOSES BLEW INTO BETWEEN TOP DRIVE UNIT AND 1/4 WAY UP DERRICK, WHILE BREAKING OUT SAVER SUB TO PULL OUT HWDP
	06:00 -				NOTE: HAD 6 TH MAN CHANGE LINERS IN #1 PUMP TO 5 1/2
2/9/2007	06:00 - 12:30	6.50	отн		WORKING ON TESCO TOP DRIVE, REPLACING 2" HOSES, PROBLEMS W/ BACK PRESSURE ON GRABBER
	40.00 40.00	4.00	TDD	13	TRIP OUT TO SHOE
	12:30 - 13:30		TRP	13	WORKING ON BACKPRESSURE ON GRABBER, REPLACE CHECK VALVE
	13:30 - 15:00		ОТН	i.	
	15:00 - 18:00		TRP	1	TRIP OUT , CHANGE OUT BIT AND MOTOR, CLOSE AND OPEN BLINDS, PIPES AND HYDRIL
	18:00 - 23:00	5.00	TRP	13	TRIP IN TO 1100', HIT BRIDGE, COULD NOT CIRCULATE THROUGH STRING
					Printed: 5/2/2007 9:14:30 AM



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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/9/2007	23:00 - 02:00	3.00	TRP	13	TRIP OUT TO MOTOR,
	02:00 - 04:00	2.00	TRP	13	FLOAT BROKE, CLEAN JUNK OUT OF MOTOR
	04:00 - 05:30	1.50	TRP	2	TRIP IN WITH MOTOR AND IBS, CIRCULATE THROUGH BHA, GOOD
	05:30 - 06:00	0.50	TRP	2	TRIP IN WITH BHA
2/10/2007	06:00 - 07:00	1.00	TRP	2	TRIP INTO 1100
	07:00 - 07:30		отн		INSTALL TRIP SLEEVE IN ROTATING HEAD
	07:30 - 16:00		REAM	1	WASH AND REAM FROM 1100' TO 3183
	16:00 - 17:00		ОТН	•	INSTALL ROTATING HEAD RUBBER,
	17:00 - 18:00		REAM	1	HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO
					CIRCULATION
	18:00 - 22:00		CIRC	2	LOST CIRC, PACKED OFF, BACK REAM FROM 3207 TO 3179, GOT RETURNS
	22:00 - 01:00		CIRC	1	CIRCULATE AND CONDITION MUD
	01:00 - 02:00		TRP	2	TRIP IN HOLE TO 3780
	02:00 - 04:00		REAM	1	WASH AND REAM FROM 3780 TO 3860
	04:00 - 05:00		RIG	2	RIG REPAIR, GO THROUGH # 2 PUMP CLEAN OUT ROCKS
	05:00 - 05:30		REAM	1	WASH AND REAM FROM 3860 TO 3870
	05:30 - 06:00	0.50	DRL	1	DRILLING FROM 3870 TO 3875
2/11/2007	06:00 - 08:00	2.00	DRL	1	DRILLING FROM 3875' TO 3927'
	08:00 - 09:30	1.50	RIG	2	REPAIR MUD PUMP # 2
	09:30 - 21:30	12.00	DRL	1	DRILLING FROM 3927' TO 4164'
	21:30 - 22:00		RIG	2	CHANGE OUT TWO SHAKER SCREEN ON ONE ON EACH SHAKER
	22:00 - 06:00		DRL	1	DRILLING FROM 4164' TO 4280, AT 4242' HOLE STARTED TAKING MUD
	20.00				AVERAGE 65 BBL / HR. ADDED 20 SKS NEW CARB, 20 SKS MICA, 20 SKS
					DYNA FIBER, AND 20 SKS ASH PHALT IN 1 HOUR 15MIN LOSSES WERE
					DOWN TO 12 BBLS / HOUR
2/12/2007	06:00 - 09:00	3 00	DRL	1	DRILLING FROM 4292' TO 4326'
2/12/2007	09:00 - 05:00	20.00		2	CIRCULATE AND CONDITION WHILE ATTEMPT TO REPAIRING # 2 MUD PUMP
	09:00 - 05:00	20.00	I KIG		DISCHARGE, REPAIRS FAILED CHANGED OUT DISCHARGE MODULE
	25 22 22 22	4.00	DRL	1	DRILLING FROM 4326' TO 4340'
	05:00 - 06:00				DRILLING FROM 4340' TO 4379'
2/13/2007	06:00 - 11:00		DRL	1	
	11:00 - 12:00		SUR	1	DROP SURVEY AT 4309' 1.5 DEG 61.20 AZI
	12:00 - 19:30		TRP	10	TRIP OUT OF HOLE DUE TO PENETRATION RATE
	19:30 - 22:00	2.50	отн		PULLED WEAR BUSHING TO CHECK WEAR, DRILL PIPE RIDING ON SIDE OF BOPS SLIGHT WEAR ON WEAR BUSHING RE RAN WEAR BUSHING
					BONS SEIGHT WEAK ON WEAK BOSHING KE KAN WEAK BOSHING
	22:00 - 02:30	4.50	TRP	10	MADE UP BIT # 5 SMITH MX9539 AND TRIP IN HOLE (1.5 HOURS TO LATCH
					ONTO STAND OF 8" DRILL COLLARS)
	02:30 - 04:00		RIG	6	SLIPPED AND CUT DRILL LINE
	04:00 - 06:00		ОТН	1	ADJUST TOP DRIVE TRACK AND ALINE BOPS WITH ROTARY TABLE
2/14/2007	06:00 - 09:00		TRP	10	TRIP IN HOLE TO 4300
	09:00 - 10:30		REAM	1	SAFETY WASH 79' TO BOTTOM 20' OF FILL
	10:30 - 14:30		DRL	1	DRILLING FROM 4379 TO 4416
	14:30 - 15:00	0.50	RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	15:00 - 17:00	200	DRL	1	DRILLING FROM 4416 TO 4431
	17:00 - 18:00		RIG	2	RIG REPAIR, REPLACE SUCTION VALVE AND SEAT IN # 1 PUMP
			1 '	1	DRILLING FROM 4431 TO 4478
	18:00 - 01:30		DRL	1 2	RIG REPAIR # 1 PUMP SUCTION VALVE AND SEAT, BULL WHEEL SIDE, ALSO
	01:30 - 05:00	3.50	RIG	2	CHANGED VALVE IN DISCHARGE MIDDLE
	05:00 - 06:00	1.00	DRL	1	DRILLING FROM 4478 TO 4487
0/45/0007				1	DRILLING/ 4487 TO 4500
2/15/2007	06:00 - 10:30		DRL		
	10:30 - 13:00		RIG	2	CHANGE OUT VALVE, SEAT IN # 2PUMP CENTER POT
	13:00 - 13:30		RIG	1	RIG SER
	13:30 - 14:00	0.50	DRL	1	DRILL F/ 4500 TO 4520
		J			Printed: 5/2/2007 9:14:30 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Rig Name:					
Date	From - To	Hours	Code	Sub Code	Description of Operations
2/15/2007	14:00 - 15:00	1.00	CIRC	1	CIRC, MIX , PUMP SWEEP LMC (LOST 120 BBL. MUD)
	15:00 - 18:00	3.00	DRL	1	DRILL F/ 4520 TO 4584
	18:00 - 23:00	5.00	DRL	1	DRILL F/4584 TO 4619
	23:00 - 00:00	1.00	RIG	2	GO THRU #2 MUD PUMP, CHANGE OUT VALVES ON SUCTION AND DISCHARGE
	00:00 - 03:00	3.00	DRL	1	DRILL F/4619 TO 4641
	03:00 - 03:30		RIG	2	WORK ON #2 PUMP, CHANGE OUT VALVES IN MIDDLE SECTION
	03:30 - 06:00	2.50	DRL	1	DRILL F/4641 TO/
2/16/2007	06:00 - 10:00		DRL	1	DRILL F/ 4671' TO/ 4686' (LOST 100 BBLS MUD, DRAIN VALVE TO TRIP TANK WAS LEFT OPEN)
	10:00 - 13:00	3.00	REAM	1	REAMING, WORK TORQUE OUT
	13:00 - 16:00		CIRC	1	CIRCULATE & CONDITION MUD, MIX & PUMP DRY JOB
	16:00 - 18:30		TRP	10	T.O.O.H TO HWDP, SLM 4685'
	18:30 - 03:30		ISP	1	INSPECT BHA & LAY DOWN 4 JTS OF 4 1/2" HWDP
	03:30 - 06:00		TRP	1	LAY DOWN MOTOR, SHOCK TOOL, IBS STABILIZER, BIT
2/17/2007	06:00 - 07:00		TRP	1	LAY DOWN STABILIZER & MUD MOTOR
., .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	07:00 - 08:00		TRP	1	TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS
	08:00 - 12:00		TRP	2	TIH
	12:00 - 14:00		REAM	1	WASH & REAM F/3254', T/3515'
	14:00 - 15:00		TRP	2	TIH
	15:00 - 15:30		REAM	1	WASH & REAM F/4602 T/ 4685
	15:30 - 16:00		DRL	1	DRILL F/ 4685 T/ 4688
	16:00 - 16:30		CIRC	1	CONDITION & CIRC, PUMP SWEEP
	16:30 - 17:30		DRL	1	DRILL F/ 4688' T/ 4701
	17:30 - 18:00		SUR	1	DEVIATION SURVEY @ 4610' (1.2 DEVIATION)
	18:00 - 18:30	1	DRL	1	DRILL F/4701 T/ 4707
	18:30 - 19:00		CIRC	2	LOST CIRCULATION, 100 BBL LOSS
	19:00 - 06:00		CIRC	1	WORK TIGHT SPOT, CIRC & COND MUD, JARING TIGHT HOLE @ 4693', 14FT OFF BOTTOM
2/18/2007	06:00 - 14:00	8.00	FISH	3	JARING ON STUCK PIPE @ 4693 UP TO 4672
2.7 10/2007	14:00 - 21:30		FISH	4	RIG UP WEATHFORD WIRE LINE TRUCK TO FREE POINT
	21:30 - 05:00		FISH	5	SPOT 300 LBS FRACK SAND IN MUD MOTOR DID NOT WORK SPOTED
	21.00 - 00.00			1	300LBS SAND AGAN STILL DID NOT WORK
	05:00 - 06:00	1.00	FISH	3	JARING ON STUCK PIPE W/ ON STEEL BALL TO LOCK UP MOTOR SO WE CAN BACK OFF
2/40/2007	06:00 - 12:00	6.00	FISH	3	JARING ON STUCK PIPE, CAME FREE
2/19/2007	12:00 - 13:00		TRP	2	TRIP OUT 2 STANDS
	13:00 - 14:30		CIRC	1	CIRCULATE, MIX & PUMP PILL, L/D FREE POINT CREW
	14:30 - 18:00		TRP	2	T.O.O.H. L/D DRILLING JARS
	18:00 - 20:00		TRP	2	T.O.O.H
	20:00 - 20:00		TRP	1	L/D SHOCK SUB, MOTOR, PDC BIT, MONEL
	20:00 - 22:00		RIG	1	WORK ON TOP DRIVE
	23:00 - 23:00		TRP	1	P/U JUNK BASKET, MILL TOOTH BIT
	00:00 - 06:00		TRP	2	TRIP IN HOLE
2/20/2007	06:00 - 06:00		REAM	1	WASH 90 ' TO BOTTM 4617 TO 4707
2/20/2007			FISH	5	WORK JUNK SUB ON BOTTOM PICK UP BALL, NUTS
	07:00 - 07:30		DRL	1	DRILLING F/ 4707 TO 4718
	07:30 - 08:00		CIRC	1	CIRC, MIX & PUMP PILL
	08:00 - 08:30		TRP	2	TRIP OUT HOLE W/ JUNK SUB (CLOSED BLIND RAMS, WORKED PIPE RAMS
	08:30 - 12:00		FISH	5	CLEAN OUT JUNK SUB (RECOVERED 176 STEEL BALL, 76 1/4, 1/2 NUTS)
	12:00 - 12:30			1	L/D BIT SUB, P/U MUD MOTOR, MONEL DC.
	12:30 - 15:00		TRP	2	TRIP IN HOLE
	15:00 - 18:30		TRP	1	WASH & REAM 30' TO BOTTOM, F/4688' T/ 4718'
	18:30 - 19:00	0.50	REAM		WACHER REPORTED TO BOTTOM, FAROUR IT THE
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2007	19:00 - 21:30	2.50	DRL	1	DRILL F/ 4718' T/4780'
	21:30 - 22:30	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE SWAB
	22:30 - 00:00	1.50	DRL	1	DRILL F/4780' T/4812'
	00:00 - 01:00		RIG	2	WORK ON #1 MUD PUMP, CHANGE ANOTHER SWAB
	01:00 - 01:30		DRL	1	DRILL F/4812' T/4831'
	01:30 - 02:00		RIG	2	COOL #2 MUD PUMP
	02:00 - 06:00		DRL	1	DRILL F/4831' T/4913'
2/21/2007	06:00 - 14:30		DRL	1	DRILL F/4913'- T/5045'
2/2 1/2007	14:30 - 15:00		RIG	2	RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES
	15:00 - 16:30	1.50	DRL	1	DRILL F/ 5045' T/5065'
	16:30 - 17:00		RIG	1	SERVICE RIG
	17:00 - 19:00		DRL	1	DRILL F/5065' T/5071'
	19:00 - 19:30		RIG	2	RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR
			DRL.	1	DRILL F/5071' T/ 5078', MW 9.7, 47 VIS,
	19:30 - 21:00 21:00 - 22:30		CIRC	1	CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY
			TRP	10	P.O.O.H, TRIP OUT FOR BIT
	22:30 - 04:00		TRP	1	L/D & P/U MOTOR & BIT
	04:00 - 06:00			1.	P/U BHA
2/22/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE TO SHOE
	07:00 - 08:30		TRP		CUT DRILLING LINE
	08:30 - 10:00		RIG	6	
	10:00 - 13:00		TRP	10	TRIP IN HOLE WASH TO 30 'TO BOTTOM (BLOW BOTTOM OFF GOOD BEFOR DRLG.) NO
	13:00 - 14:00		REAM	1	FILL
	14:00 - 15:00		DRL	1	DRILLING F/ 5078 TO 5165 (HELD BOP DRILL 2 MIN,)
	15:00 - 15:30		RIG	1	RIG SER. & SER. TOP DRIVE, (WORK PIPE RAMS)
	15:30 - 00:30		DRL	1	DRILLING F/ 5165 TO 5258
	00:30 - 02:00	1.50	RIG	2	RIG REPAIR, WORK ON # RIG PUMP, CHANGE
	02:00 - 04:00	2.00	DRL	1	DRILLING F/5258' T/5323
	04:00 - 04:30	0.50	RIG	2	RIG REPAIR, 1 SUCTION VALVE ON #2 PUMP
	04:30 - 06:00	1.50	DRL	1	DRILLING F/5323' T/5335
2/23/2007	06:00 - 10:30	4.50	DRL	1	DRILLING F/ 5335 TO 5428
	10:30 - 12:00	1.50	RIG	2	TURNED FAN AROUND ON # 1 & # 2 PUMPS
	12:00 - 13:30	1.50	DRL	1	DRILLING F/ 5428 TO 5449
	13:30 - 15:00		RIG	2	CHANGE SWAB IN # 2 PUMP MIDDLE POT
ļ	15:00 - 06:00		DRL	1	DRILLI F/ 5449 TO 5570
2/24/2007	06:00 - 10:00		DRL	1	DRILLING F/ 5570 TO 5609
212412001	10:00 - 10:30		RIG	1	RIG SER. , TOP DRIVE SER.
	10:30 - 11:30		RIG	2	CHANGE LINER , SWAB IN # 2 PUMP BILL WHEEL SIDE
	11:30 - 16:00	1	DRL	1	DRILLING F/ 5609 TO 5627
	16:00 - 16:30		CIRC	1	CIRC COND FOR TRIP
		1	SUR	1	SURVEY @ 5597 .5 DEG 157.6 AZ
	16:30 - 17:00		CIRC	1	PUMP PILL, BLOW KELLY OUT
	17:00 - 17:30	1		10	TRIP OUT FOR BIT # 9 (HAD TRIP BOP DRILL)
	17:30 - 23:00		TRP		CHANGE OUT BITS (CLOSED BLINDS RAMS, OPEN)
	23:00 - 00:00		TRP	1	TRIP IN HOLE
	00:00 - 06:00	1	TRP	10	
2/25/2007	06:00 - 07:00	1	TRP	10	TRIP IN HOLE TAGED UP @4785 TITE
	07:00 - 12:00		CIRC	1	WORK TITE HOLE, LOST 130 BBLS MUD, RUN STAND IN 4813
	12:00 - 17:00		RIG	2	CHANGE PUMP ON TOP DRIVE
	17:00 - 17:30		TRP	10	TRIP IN HOLE
	17:30 - 18:00		REAM	1	WASH 60 ' TO BOTTOM
	18:00 - 19:00		DRL	1	DRILL F/5627 TO 5629
	19:00 - 20:30		RIG	2	WORK ON # 1PUMP SWAB, #1 CHAGER PUMP SWITCH DOWN
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	20:30 - 21:00	0.50	DRL	1	DRILL F/ 5629 TO 5630
	21:00 - 23:00	2.00	RIG	2	CHANGE SEAT,#1 PUMP BULL WHEEL SIDE,CHANGE SWAB MIDDLE
	23:00 - 02:00	3.00	DRL	1	DRILL F/ 5630 TO 5649
	02:00 - 03:00	1.00	CIRC	2	LOST CIRC @ 5649 LOST 300 BBLS.
	03:00 - 04:30	1.50	TRP	2	TRIP OUT HOLE TIGHT @ 4810
	04:30 - 06:00	1.50	REAM	1	BACK REAMING F/ 48 10 TO 4809
2/26/2007	06:00 - 07:00		CIRC	2	LOST CIRC (150 BBLS)
,	07:00 - 09:00	2.00	TRP	2	TRIP OUT 10 STAND COULDN'T CIRC TRIP TO 4750, BACK REAMING TO 4785
	09:00 - 10:30		TRP	2	TRIP BACK IN HOLE
	10:30 - 12:30		DRL	1	DRILL F/5649 TO 5670
	12:30 - 13:30		CIRC	1	WORK TIGHT HOLE @ 5670 ON CONN.
	13:30 - 23:00		DRL	1	DRILLING F/5670 TO 5732
	23:00 - 00:00		CIRC	1	WORK TIGHT HOLE @ 5732 TO 5642 (3 TIMES HOLE GOOD FREE)
	00:00 - 06:00		DRL	1	DRILLING 5732 TO (DRILL W/ NO FLUID LOST)
	06:00 -				·
2/27/2007	06:00 - 09:00	3.00	DRL.	1	DRILLING 5780 TO 5804
	09:00 - 15:00	1	REAM	li	BACK REAM , JARING UP THROW TIGHT HOLE @ 5803 TO 5700
	15:00 - 15:30		RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
	15:30 - 18:00		TRP	2	TRIP OUT HOLE TO 3127 TIGHT
	18:00 - 06:00		REAM	1	WORK TIGHT HOLE F/ 3127 TO 3072 (55')
2/28/2007	06:00 - 09:00		FISH	3	WORKING TIGHT HOLE JARING UP (3272 , 3464 PULLED 1 STD TIGHT AGAIN
2/20/2001	00.00 - 05.00	3.00	, 1011	١	3400 JARED OUT TO 3369
	09:00 - 14:00	5.00	TRP	2	TRIP OUT HOLE
	14:00 - 17:00		TRP	1	L/D BHA. BIT, MM, JARS, AND STAB
	17:00 - 22:00		TRP	1	TRIP IN HOLE, TIGHT HOLE AT 3257' WORKED PIPE
	22:00 - 02:00		CIRC	1	CIRCULATE AND RAISE MUD WEIGHT TO 9.7 AT 3077'
	02:00 - 02:00		TRP	1	LOST RETURNS PULLED 2 STANDS
	03:00 - 05:30		CIRC	1	PUMP 2 50 LCM PILL AND CIRC
	05:30 - 06:00		TRP	1	TIH.
			TRP	1	TRIP IN HOLE
3/1/2007	06:00 - 07:30			2	WASHING TO BOTTOM LOST CIRC.
	07:30 - 08:00		REAM	2	TRIP OUT 10 STD.
	08:00 - 08:30		TRP	1	MIX UP LCM PILL, PUMP
	08:30 - 10:00		CIRC		CIRC, BUILD MUD VOLUME
	10:00 - 14:00		CIRC	2	TOOH TO 3130' TIGHT HOLE FROM 3250' TO 3130'
	14:00 - 15:30		TRP	2	TOOR TO 3130 TIGHT HOLE FROM 3230 TO 3130
	15:30 - 19:00		CIRC	2	CIRC GOOD RETURNS REAM THROUGH TIGHT SPOT, BUILD VOLUME
	19:00 - 21:00		TRP	2	TIH BROKE CIRC EVERY 5 STANDS
	21:00 - 06:00		DRL	1	DRILLING FROM 5804' TO 5889'
3/2/2007	06:00 - 13:00		DRL	1	DRILLING FROM 5889' TO 5895'
	13:00 - 14:00		CIRC	1	PUMP PILL, CHANGE PLAN GO BACK TO DRILLING
	14:00 - 15:30		DRL	1	DRILLING NO PROGRESS
	15:30 - 18:00	2.50	DRL	1	MADE AND PUMPED BIT UNBALLING PILL WHILE ATTEMPTING TO DRILL NO
					PROGRESS
	18:00 - 00:00	6.00	TRP	10	TOOH TIGHT HOLE AT 5800' BACK REAMED THROUGH TIGHT SPOT AND
	1			1	TOOH NO OTHER PROBLEMS
	00:00 - 06:00		TRP	10	M/U NEW BIT RIH FILLEDPIPE EVERY 6 STANDS AFTER 3200 FOOT
3/3/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE BRAKE CIRC EVERY 5 STAND
	07:00 - 08:00		REAM	1	WASH AND REAM TO 5801'
	08:00 - 10:30	2.50	RIG	2	REPAIR MUD PUMPS # 1 CHANGED OUT SWAB AND SEAT # 2 PUMP CHANGED OUT SWAB
	10:30 - 11:00	0.50	REAM	1	WASH REAM FROM 5801' TO 5895'
	11:00 - 11:30		CIRC	li i	PUMP 40 BBLS OF UNBALLING PILL
	11:30 - 12:00		DRL	1	DRILLING FROM 5895' TO 5901'
	11.50 - 12.00	0.30		[
	J	1		<u> </u>	Printed: 5/2/2007 9:14:30 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/3/2007	12:00 - 12:30	0.50	RIG	2	REPAIR PUMP # 2 CHANGED SWAB
	12:30 - 03:30	15.00	DRL	1	DRILLING FROM 5901' TO 6014'
	03:30 - 04:00		RIG	2	REPAIR PUMP #2 CHANGED SWAB
	04:00 - 06:00		DRL	1	DRILL F/6014' T/ 6041'
3/4/2007	06:00 - 07:00	1.00	RIG	2	REPAIR MUD PUMP # 2 CHANGED SWAB AND VALVE
	07:00 - 08:30	1.50	DRL	1	DRILLING FROM 6041' TO 6067'
	08:30 - 09:30	1.00	REAM	1	TIGHT HOLE WORK PIPE WASHED AND REAMED TIGHT HOLE AT 6000'
	09:30 - 13:00		DRL	1	DRILLING FROM 6067' TO 6107'
	13:00 - 14:00		CIRC	1	CIRCULATE BOTTOMS UP
	14:00 - 18:30		TRP	14	SHORT TRIP INTO SHOE, SLM
	18:30 - 20:00		RIG	6	SLIP & CUT DRLG. LINE
	20:00 - 23:30		TRP	14	SHORT TRIP TO BOTTOM
	23:30 - 02:00		CIRC	1	CIRCULATE & CONDITION, MIX PILL FOR DRY JOB, FILL TRIP TANK
	02:00 - 02:30		SUR	1	DROP SURVEY TOOL, SURVEY @ 6068'
	02:30 - 03:00		TRP	2	TRIP OUT
	03:00 - 04:00		RIG	2	REPAIR TOP DRIVE HOSE
	04:00 - 06:00		TRP	2	TRIP OUT
3/5/2007	06:00 - 08:00		TRP	2	TOOH, TO RUN 9 5/8 CASING
	08:00 - 09:30		TRP	1	HELD SAFETY MEETING RIG UP LAY DOWN MACHINE
	09:30 - 12:30		TRP	1	LAYED DOWN 6 5/8 HWDP, 8 " DRILL COLLARS MONEL, AND MOTOR RETRIVED SURVEY DEPTH 6068 DEG. 9 AZI 149
	12:30 - 13:30		OTH	1.	RETRIVED, WEAR BUSHING
	13:30 - 15:00		CSG	1	HELD SAFETY MEETING RIGGING UP CASING CREW, FILL UP TOOL, AND STABING BOARD
	15:00 - 03:00		CSG	2	RUN 140 JTS, 9 5/8 CASING 47#/FT, HCP-110, LT&C
	03:00 - 03:30		CIRC	1	CIRCULATE & CONDITION, LOST CIRCULATION @ 3300', 55 STKS 194GPM, MW-9.8, VIS 43, 7% LCM
	03:30 - 04:30		CMT	1	R/U HALLIBURTON TO CEMENT, SAFETY MEETING
	04:30 - 06:00		CMT	2	CEMENTING 9 5/8 CASING
3/6/2007	06:00 - 09:30		СМТ	2	CEMENTING LEAD- 842 SK, CBM- LIGHT, 10.5 PPG, YIELD 4.14, F/ 3000' T/5100' TAIL- 585 SK, 50- 50 POZ, 14.35 PPG, YIELD 1.25, F/5100' T/ 6100' BUMPED PLUG- @ 9AM 3-5-07, FLOAT HELD @ 3000PSI, RELEASED PRESSURE
	09:30 - 10:00		BOP	1	FINISH N/D BOP AND FLOW LINE
	10:00 - 12:00		CSG	7	SET SLIPS, CAMERON ROUGH CUT CASING, SET @ 280K
	12:00 - 14:00		BOP	1	4 BOLT BOP TO L/D DRILL PIPE
	14:00 - 15:00		CSG	1	L/D & CHANGE OUT ELEVATORS & BAILS
	15:00 - 18:00		TRP	2	TRIP IN TO L/D DRILL PIPE, INSTALL ROTATING HEAD RUBBER
	18:00 - 20:00		TRP	3	R/U L/D MACHINE & LAY DOWN PIPE
	20:00 - 21:30		TRP	2	TRIP IN HOLE
	21:30 - 01:30		TRP	3	LAY DOWN DRILL PIPE, RIG DOWN L/D TRUCK
	01:30 - 06:00		BOP	1	N/D BOP
3/7/2007	06:00 - 07:00		BOP	1	FINISH NIPPLE DOWN STACK
	07:00 - 18:00		LOC	7	FINISH CLEANING PITS, LAY DOWN TESCO TOP DRIVE, INSTALL B SECTION & NITE CAP, LOADING OUT RENTALS
3/8/2007	06:00 - 18:00		LOC	4	CLEAN TANKS, RIG DOWN & LOAD OUT TOP DRIVE & RENTALS
3/9/2007	07:00 - 18:00		LOC	4	LOAD OUT RENTALS, INSPECTING DRILL PIPE
3/10/2007	07:00 - 18:00		LOC	4	INSPECTING DRILL PIPE 233 JTS.
3/11/2007	07:00 - 18:00		LOC	4	PREPARING TO MOVE, FINISH INSPECTING DRILL PIPE 349 JTS. 3 BENT JTS
3/12/2007	08:00 - 18:00	10.00	LOC	4	LAY DERRICK DOWN, LOAD OUT 7 TRUCKS
4/1/2007	06:00 - 18:00	12.00	LOC	3	ENSIGN 24-RIG DOWN AND MOVE CAMPS TO LOCATION/RIG UP SAME, HAUL TUBULARS IN, OTHER LOCATION 60% RIGGED DOWN AND 40% OFF

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/1/2007	06:00 - 18:00	12.00		3	LOCATION (BACK YARD IS MOVED OUT)/HARD BANDING BHA/HAVE 4 LOADS OF TUBULARS STILL ON OLD LOCATION.
	18:00 - 06:00	12.00			WAIT ON DAYLIGHT
4/2/2007	06:00 - 18:00	12.00		4	RIG DOWN DERRICK, SUB, MOTOR PACKAGE, 100% RIGGED DOWN AND 100% OFF OLD LOCATION, SET MATTING BOARDS AND BOTTOM SUB, ALL 6" BHA IS HARD BANDED, (RING GROOVE ON SINGLE GATE HAS STUD MARKINGS-FLARED OUT)/ MONTORING BACK SIDE-GAINING250 EVERY HALF HOUR AND BLEEDING IT OFF.
	18:00 - 06:00	12.00		١.	WAIT ON DAYLIGHT SET IN SUBS, MOTOR PACKAGE, MUD TANKS, PUMPS, HOPPER HOUSE,
4/3/2007	06:00 - 18:00	12.00		4	PUT DERRICK TOGETHER, LIGHT PLANT, MUD CLEANING EQUIPMENT, BAR HOPPERS, PREMIX TANK 80% SET IN 25% RIGGED UP, BLEEDING PRESSURE OFF OF LAST WELL EVERY HALF HOUR UNTIL 1900-LETTING PRESSURE BUILD WHILE MONITORING.NOT TO EXCEED 5,000 PSI WAIT ON DAY LIGHT/LETTING WELL BUILD UP PRESSURE
	18:00 - 06:00	12.00		١.	GET DERRICK READY AND PUT ON FLOOR, PUT COMPOUND TOGHETHER,
4/4/2007	06:00 - 18:00	12.00	LOC	4	SET IN GAS BUSTER LINES/EQUIPMENT, DIESEL TANKS, FIRE LIGHT PLANT, WELD HOLES IN MUD TANKS (BAD SHAPE), STRING CORDS, HOOKING UP LINES/PUMP SHED AND BACK YARD. STRING UP DERRICK (LOAED OUT 105 JT'S DRILL PIPE 4" XT 39 TO RIG 236)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT
4/5/2007	06:00 - 18:00	12.00	LOC	4	BROKE TOUR TODAY, INSPECT DERRICK TO RAISE AND RAISE DERRICK, RIG UP FLOOR TUGGER AND INSTAL HAND RAILS, UNBRIDLE, LAY DOWN PART OF TRACK THAT WAS BENT FROM LAST WELL,SET IN YELLOW DOG, FILL PITS WITH WATER, CHANGING OIL IN MUD PUMP, HOOK UP STAND PIPE, THERE WAS HANDS STANDING AROUND WATCHING OTHER HANDS ON A JOB THAT SHOULD ONLY TAKE TWO HANDS TO DO. GOT WITH PUSHER AND TOLD HIM THAT HE NEED TO SEPARATE HANDS, ONTO DIFFERENT TASK'S. SO HE STARTED SEPARATING THE HANDS AND PUTTING THEM ON DIFFERNT TASK'S.
	18:00 - 06:00	12.00	LOC	4	RIG UP WET SYSTEM ON BAR HOPPER'S, HOOK UP CHOKE LINE, KILL LINE, CHANGE SWABS, LINERS (SHORT TWO BE HERE THIS AM) RIG UP RETURN LINE ON GAS BUSTER, DRESS SHAKER'S, PUT CULVERT IN FOR MOUSE HOLE
4/6/2007	06:00 - 18:00	12.00	LOC	4	STACK ANNULAR, ROTATING HEAD, CHANGE LINERS/CHANGED PONY ROD SEAL'S IN #1 PUMP, PICK UP TOP DRIVE RAIL AND CENTER RAIL TIGHTEN TURN BUCKLES, INSTALL LANDING AROUND BOPE, PUT IN MOUSE HOLES-HAD PROBLEMS GETTING THE FRONT ONE IN BUT MANAGED TO, (NOTIFIED STONY WITH BLM THAT WE'LL BE TESTING IN THE NEXT 24HR.S), PICK UP SWIVEL, BIULT TROUGH ON BACK SIDE OF PITS TO DIVERT FLUID TO RESERVE PIT.
	18:00 - 06:00	12.00	LOC	4	PICK UP NEW TOP DRIVE (OLD ONE UP FOR SERVICE) HOOK UP TORQUE TUBE GUIDE (DON'T HAVE THE RIGHT CONNECTION BETWEEN SWIVEL AND TOP DRIVE (TOP DRIVE HAS NC 61 THREAD INSTEAD OF A 6 5/8 REG) RUN TOP DRIVE HOSES FIRE UP UNIT AND HOSES LEAKING EVERY WHERE IN NEW TOP DRIVE (NEW TOP DRIVE HAND FIRST TIME RIGGING UP BY HIM SELF-LITTLE LOST), FINALY FINISHED LINERS IN PUMPS, FLOW LINE OFF 5" (WF) DER ON HIS WAY).
4/7/2007	06:00 - 09:00	3.00	LOC	4	CHANGED VALVE IN FLOW LINE, WELD FLOW LINE, LAY OUT AND MAKE UP FLARE LINES, WORK ON SMALL LEAK'S IN GUN LINES, READY TO PRESSURE TEST @ 900AM
	09:00 - 06:00	21.00	отн		WORKING ON TOP DRIVE (NEW HAND THAT IT WAS HIS FIRST TIME RIGGING UP TOP DRIVE PRESSURED UP UNIT AND BLEW OIL ALL OVER
					Printed: 5/2/2007 9:14:30 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

		Hours	Code	Code	Description of Operations
4/7/2007	09:00 - 06:00	21.00	отн		DIDN'T KNOW WHAT WAS WRONG, JOHN THE HAND THATS BEEN SITTING ON THIS RIG SHOWED UP TODAY AND SUPT. BILL AND ANOTHER HAND. THEY TESTED LINES AND FOUND CHECK VALVE BAD AND SEALS BLOWN IN
4/8/2007	06:00 - 10:00	4.00	отн		TOP DRIVE, PULL MOTORS AND REPLACE SEALS WORK ON TOP DRIVE, FINISH PUTTING IN MOTOR AND TEST LINES AND OPERATIONS OF UNIT ALL WORKING CORRECTLY (TORQUE ALL
					CONNECTION'S)
	10:00 - 14:00	4.00	BOP	1	IPS TIGHTENED CONNECTIONS ON BOPE
	14:00 - 00:00	10.00		2	RIG UP AND PRESSURE TEST TOP DRIVE DOUBLE BALL VALVE DIDN'T TEST CHANGED DOUBLE BALL VALVE AND IT DIDN'T TEST, TEST THIRD VALVE TEST TIW, DART VALVE, BLIND, UPPER AND LOWER PIPES, CHOKE MANIFOLD AND HCR 10 MIN LOW 250 PSI HIGH 10,000 PSI ANNULAR 10 MIN LOW 250 PSI HIGH 5000 PSI,BLM WAS NOTIFIED BY MESSAGE ON PHONE (BLM WAS NOT PRESENT FOR TEST) WHILE TESTING MUDDING UP SURFACE SYSTEM
	00:00 - 05:00	5.00	RIG	2	CLEAN RIG FLOOR OF OIL AND REPLACE DRIVE CHAIN ON DRAWWORKS
	05:00 - 06:00		отн		INSTALL WEAR BUSHING/ WHEN ISTALLING DRILLER TOLD MOTOR HAND TO MAKE SURE KOOMY LEVERS WHERE IN THE OPEN POSTION, BUT THE HCR, WHEN I DISCOVERED THE PROBLEM ALL KOOMY LEVERS WHERE IN THE OPEN POSTION BUT THE ANNULAR IT WAS SHUT
4/9/2007	06:00 - 07:00	1.00	отн		INSTALL WEAR BUSHING, COULDN'T COME OUT OF THE HOLE WITH WEAR BUSHING, LOOK OVER EQUIPMENT AND HYDRILL WAS SHUT, DRILLER TOLD HAND TO OPEN EVERY THING BUT TO SHUT HCR VALVE, HE SHUT THE WRONG VALVE, I DISCUSSED WITH DRILLER AND HANDS NOT TO BE OPERATING FUNTIONS WHILE INSTALLING WEAR BUSHING.
	07:00 - 08:00	1.00	TRP	1	RIG UP LAY DOWN TRUCK, TO PICK UP DRILL PIPE
	08:00 - 08:30		RIG	2	REPLACE MAKE UP SIDE CABLE, BROKE WHEN MAKING UP BIT
	08:30 - 15:00		TRP	1	RIG UP LAY DOWN MACHINE AND PICK UP BHA AND 3260' OF 5" DRILL PIPE, TAGGED EARLY AT 4460' THAT IS 1539' ABOVE THE FLOAT SHOE
	15:00 - 16:00		CSG	1	RIG DOWN LAY DOWN TRUCK
	16:00 - 17:00	1.00	ОТН		FILE UNION STARTER THREAD (IT CAME FROM THE REPAIR SHOP WITH OUT ANY PROTECTION ON IT) AND PICK UP KELLY HOSE AND PUT ON SWIVEL
	17:00 - 18:30	1.50	RIG	2	WORK ON AIR LINES BETWEEN MOTOR SHED'S/ SOME CROSSED LINES WHEN #3 MOTOR CLUTCH KICKS IN #2 PUMP COMES ON LINE/ WHEN KICK IN #2 PUMP ENGINE'S THOTTLE UP
	18:30 - 19:30	1.00	CIRC	1	FILL PIPE PRESSURED UP AND NO CIRCULATION
	19:30 - 22:00		TRP	2	TRIP OUT OF HOLE (WET)
	22:00 - 23:30		ОТН		CLEAN RIG FLOOR AFTER WET TRIP AND DRIED MUD FROM DRILL PIPE PACK OFF ON TOP OF MUD MOTOR AND FIRST IBS, BREAK BIT AND CLEAN OUT PLUG JETS (PLUGGED WITH CEMENT)
	23:30 - 00:00	0.50	TRP	2	TRIP IN FIRST STAND AND STAND WITH X-OVER AND PUMP TO SEE IF MOTOR WAS CLEAN (MOTOR WAS GOOD)
	00:00 - 01:30		TRP	2	TRIP INTO HOLE TO DRILL OUT CEMENT, BREAK CIRC AFTER BHA
	01:30 - 02:00		отн		CHANGE GRABBER DIES IN TOP DRIVE
	02:00 - 03:00		TRP	2	TRIP IN 3 ROWS
	03:00 - 04:00		OTH		INSTALL ROTATING HEAD RUBBER
	04:00 - 04:30		RIG	2	WORK ON SWIVEL PACKING (LEAKING HAD TO HAMMER UP) BREAK CIRCULATION
	04:30 - 05:00		CIRC	1 2	TRIP IN 3 STANDS
	05:00 - 05:30		TRP REAM	1	WASHING AND REAMING CEMENT IN CASING FROM 4460 TO 4501
4/10/2007	05:30 - 06:00 06:00 - 10:00		REAM	1	DRILLING CEMENT FROM 4,501 TO 5251 (CEMENT WIPER PLUG WAS @4540) CEMENT COMING OVER SHAKERS CLUMPY 1/2-1" CHUNKS (HARD)

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ENSIGN

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/10/2007	10:00 - 11:00	1.00		1	RIG SERVICE GREASE TOP DRIVE AND DRAW TOOL, COMPOUND
	11:00 - 20:00	9.00	OTH		DRILL CEMENT FROM 5251 TO 6120 @ 5715 SANDY CEMENT STARTED
				Ì	COMING OVER SHAKERS (SOFT)
	20:00 - 20:30	0.50	CIRC	1	CIRCULATE HOLE CLEAN FOR FIT TEST
	20:30 - 21:00	0.50	OTH		PERFORM FIT WITH 8.8 MUD WT 850 PSI = EQUIV. 11.5 MUD WT WITH B & C
					QUICK TEST
	21:00 - 01:00		DRL	1	DRILLING FROM 6120 TO 6241 (ROP 30.25)
	01:00 - 02:30	1.50	RIG	2	WORK ON #1- ROD CLAMP AND #2 PUMP- COULDN'T GET TO PUMP AIRED UP/ WENT THROUGH PUMP TO SEE IF THERE WAS SOMING UNDER VALVE
	1				COULDN'T FIND ANYTHING
	02:30 - 06:00	3.50	DRL	1	DRILLING FROM 6241 TO 6295 (ROP 15.4)
4/11/2007	06:00 - 14:30		DRL	1	DRILL FROM 6295 TO 6474 (ROP 21' HR.) (10-15 WOB, 50 TABLE, PUMPING
				1	BIT UNBALLING SWEEP'S WHEN NEEDED AND TRICKLE NUT SHELL OVER
	i			1	SUCTION IN TANK, ALSO ON CONNECTIONS DROPPING SOAP STICKS AND
					SAPP/ SOFT GUMMY CLAY COMING OVER SHAKERS)
	14:30 - 15:30	1 00	RIG	1	SERVICE RIG
	15:30 - 06:00	14.50		1	DRILL FROM 6474 TO 6775 (ROP 20.75' HR)
4/12/2007	06:00 - 09:30		DRL	1	DRILLING FROM 6775 - 6850', 75', 21.42 FPH, 19K WOB, 92 RPM DOWM HOLE,
4/ 12/2007	00.00 - 09.30	3.50	DILL	1'	50 RPM ON SURFACE. HELD STAND DOWN SAFETY MEETING ON 3
					ACCIDENTS ON GEP LOCATIONS.
	00:00 10:00	4.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS
	09:30 - 10:30			1	DRILL 6850' - 6945', 95', 23.75 FPH, 19K WOB, 92 RPM DH, 50 RPM ON
	10:30 - 14:30	4.00	DRL	1	SURFACE. PUMPING LCM & BIT BALLING SWEEPS AS NEEDED. CEMENTED
			1		BASE PLATE ON WELL HEAD W/ 5 YDS OF REDIMIX FROM PETE MARTIN.
				1.	BASE PLATE ON WELL READ W/ 5 TD3 OF REDINING TROOFF ETE MARKEN.
	14:30 - 15:30		SUR	1	WIRELINE SURVEY @ 6874', .5 DEG. @ 147.4 DRILL 6945' - 7351', 406', 28 FPH, WOB 15-20K, 92 RPM DOWN HOLE, 50 RPM
	15:30 - 06:00	14.50	DRL	1	DRILL 0940 - 7301, 400, 28 PM, WOD 10-20K, 92 KFM DOWN HOLE, 30 KFM
					ON SURFACE, STILL PUMPING LCM & BIT BALLING SWEEPS AS NEEDED.
			1	1.	TOTAL LOSSES TODAY 200 BBL.
4/13/2007	06:00 - 12:00	6.00	DRL	1	DRILL 7351' - 7508', 157', 26.16 FPH, WOB 15-20K, 92 RPM DOWN HOLE, 50
					RPM ON MOTOR. SLIGHT BIT BALLING, NO NOTICEABLE LOSSES SO FAR
					TODAY.
	12:00 - 13:00		SUR	1	WIRELINE SURVEY @ 7438', .6 DEG. 202.
	13:00 - 16:30	3.50	DRL	1	DRILL 7508' - 7603', 95', 27.14 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE,
				1	91 DOWN HOLE.
	16:30 - 17:30		RIG	1	SERVICE RIG & TOP DRIVE
	17:30 - 06:00	12.50	DRL	1	DRILL 7603' - 7905', 302', 24.16 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE,
					91 DOWN HOLE. TOTAL LOSSES TODAY 125 BBL. SLIGHT SEEPAGE HOLE IN
					GOOD CONDITION. ONLY SMALL SLOUGH & VERY LITTLE OF THAT.
4/14/2007	06:00 - 09:00	3.00	DRL	1	DRILL 7905' - 7983', 78', 26 FPH. WOB 15-20K, RPM 141, 50 ON SURFACE & 91
					DOWN HOLE. MINIMAL SEEPAGE, NO INCREASE IN SLOUGH.
	09:00 - 10:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE
	10:00 - 15:00		DRL	1	DRILL 7983' - 8076', 93', 18.6 FPH, WOB 15-21K, RPM 50 ON SURFACE, 91
		1			DOWN HOLE. TOTAL LOSSES TO TRIP = 185 BBL, SEEPAGE & DUMPING
					SAND TRAPS.
	15:00 - 19:30	4.50	TRP	10	PUMP PILL & TOH W/ BIT #13.
	19:30 - 20:30		TRP	10	BREAK OFF BIT, PU NEW BIT, FUNCTION BLIND RAMS
	20:30 - 20:30		TRP	10	TIH W/ BIT #14 CHANGE OUT CORROSION RING, GOOD TRIP.
	00:00 - 00:30		REAM	1	W&R 90' TO BOTTOM, 10' OF FILL, LOST 30 BBL ON TRIP. 10 BBL OF IT WET
	00:00 - 00:30	0.50	KEAN	'	PIPE.
	00.20 00.00	E F0	DRL	1	DRILL 8076' - 8280', 204', 37.09 FPH, WOB 11-15K, RPM 141, 50 ON SURFACE,
	00:30 - 06:00	5.50	DKL	'	91 DOWN HOLE. VERY SLIGHT SEEPAGE.
414510005	00:00 40:00	4.50	DRL	1	DRILL 8280' - 8453', 173', 38.44 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE
4/15/2007	06:00 - 10:30	4.50	DKL	1	91 DOWN HOLE, NO NOTICEABLE LOSSES AS OF YET. VERY LITTLE
				1	31 DOWN HOLE, NO NOTICEABLE EGGGEG AG OF TEXT PER PER
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/15/2007	06:00 - 10:30		DRL.	1	SLOUGH.
	10:30 - 11:30	1.00		1	SERVICE RIG & TOP DRIVE. FUNCTION LOWER PIPE RAMS. DRILL 8453' - 8818', 365', 19.72 FPH, WOB 15-20k, RPM 141, 50 ON SURFACE,
	11:30 - 06:00	18.50	DRL	1	91 DOWN HOLE. PUMPING BIT BALLING SWEEPS @ 1/2 - 1 HR INTERVALS
					SOME TIMES IT HELPS BUT ONLY FOR 3-4'. VERY SLIGHT SEEPAGE LAST 24
					LIDS
4/40/0007	06:00 - 10:00	4.00	DRL	1	DRILL 8818' - 8932', 114', 28.5 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE,
4/16/2007	06.00 - 10.00	4.00	DIKE	1	91 DOWNHOLE, STILL PUMPING BIT BALLING SWEEPS @ 1/2 - 1 HR
					INTREVALS SEEPAGE MINIMAL
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION ANNULAR & CHECK CROWN-O-MATIC
	11:00 - 06:00	19.00	DRL	1	DRILL 8932' - 9511', 579', 30.47 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
				İ	100 DOWN HOLE INCREASED PUMPS TO 418 GPM. VERY SLIGHT SEEPAGE.
4/17/2007	06:00 - 09:30	3.50	DRL	1	DRILL 9511' - 9608', 97', 27.71 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE, 100 DOWN HOLE. BIT JUST KEEPS HANGING IN. SEEPAGE MINIMAL.
			510	_	CHANGE FILTER ON CHAIN OILER ON COMPOUND.
	09:30 - 10:00		RIG DRL	2	DRILL 9608' - 9704', 96', 38.4 FPH, WOB 15-20K, RPM 150, 50 ON SURVACE, 100
	10:00 - 12:30	2.50	DKL	1'	DOWN HOLE
	12:30 - 13:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE, ADJUST BRAKES, ADD SAFETY CHAINS TO BALE
	12.55 = 15.56				EXTENSION & FUNCTION LOWER PIPE RAMS.
	13:30 - 06:00	16.50	DRL	1	DRILL 9704' - 10200, 496', 30,06 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
					100 DOWN HOLE. HOLE TAKING A LITTLE MORE FLUID THE LAST 3 HRS.
					ABOUT 10 BBL. PUMPED 10% LCM SWEEP, STILL PUMPING BIT BALLING SWEEP EVERY HALF HR SINCE 22:00. FIRST TIGHT CONN @ 10181' ABOUT
				Ì	25K OVER, REAMED BACK THROUGH IT AND DIDN'T SEE IT.
					DRILL 10200' - 10342', 142', 40.6 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
4/18/2007	06:00 - 09:30	3.50	DRL	1	100 DOWN HOLE, TRIPPING BIT ON HOURS ONLY.
	00.00 40.00	1.00	CIRC	1	CIRC BOTTOMS LIP
	09:30 - 10:30 10:30 - 11:00	0.50		1,	DROP SURVEY @ 10362' .6 202. SAME AS LAST SURVEY, DRILLER CHECKED
	10.30 - 11.00	0.50			SURVEY WHEN I CHECKED IT IT WAS 89.6 @ 68.9, POSSIBLE MIS-RUN. I
					THINK IT TOOK A SURVEY ON THE BENCH, BUT CAN'T TELL FOR SURE.
	11:00 - 18:00	7.00	TRP	10	PUMP PILL, TOH W/ BIT #14, PULL ROTATING HEAD RUBBER, BREAK OFF
				1	BIT, LD MUD MOTOR.
	18:00 - 19:00	1.00	TRP	10	PU NEW BIT # 15, NEW MOTOR, & TIH TO JARS. JARS HAD TOP SEAL OUT OF
					MANDREL, LD JARS. #1 4/17/07
	19:00 - 20:00	1.00	RIG	6	SLIP & CUT DRILLING LINE, 180'
					SERVICE RIG, TOP DRIVE, & FUNCTION ANNULAR
	20:00 - 21:00		RIG	1 5	MO STRAP & PILIARS #2 4/17/07
	21:00 - 22:00		WOT	10	TIH, BREAK CIRC AT BHA, & EA. 3 ROWS TO BOTTOM 1 STAND OFF BOTTOM
	22:00 - 03:30	5.50	IISE	10	TIGHT PACKED OFF.
	03:30 - 05:00	1.50	FISH	6	WORK TIGHT HOLE, SET OFF JARS 3 TIMES EASY, FOUND FREE SPOT,
	33.50 - 33.00			Ĭ	BREAK CRC. BACK REAM OUT TO 10208'
	05:00 - 06:00		REAM	1	W&R 10208' - 10300'
4/19/2007	06:00 - 07:00	1.00	REAM	1	W&R 10300' - 10342, 36' OF FILL,LOTS OF PRESSURED SLOUGH BUT
				1.	NOTHING LARGE.
	07:00 - 12:00	5.00	DRL	1	DRILL 10342' - 10541', 199', 39.8 FPH, WOB 15-20K, RPM 124, 65 ON SURFACE, 59 DOWN HOLE. NO NOTICABLE SEEPAGE TO THIS POINT. BOP DRILL.
l	10.00 10.00	4.00	BIC	1	SERVICE RIG & TOP DRIVE, FUNCTION PIPE RAMS
	12:00 - 13:00	1.00	RIG	1	DRILL 10541' - 11060, 519', 30.52 FPH, WOB 15-20K, RPM 110, 50 ON
	13:00 -		DKL	1,	SURFACE, 60 DOWN HOLE, NO NOTICEABLE SEEPAGE LAST 24
					HRS PLIMPING BIT BALLING SWEEPS IN SLOW DRILLING SPOTS.
4/20/2007	06:00 - 10:30	4.50	DRL	1	DRILL 11060; - 11207; 147; 32.66 FPH, WOB 15 - 20K, RPM 110, 50 ON
7,20,2001	30.00 10.00		1		SURFACE, 60 DOWN HOLE, NO NOTICEABLE SEEPAGE TO THIS POINT.
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/20/2007	10:30 - 11:30 11:30 - 14:00		RIG DRL	1	SERVICE RIG & TOP DRIVE, FUNCTION ANNULAR, ADJUST BRAKES. DRILL 10207' - 11301', 94', 37.6 FPH, WOB 15-20, RPM 100, 50 ON SURFACE, 60 DOWN HOLE, TOP DRIVE WILL NOT TURN OVER 50 RPM ON SURFACE. IT WILL TURN 70 OFF BOTTOM BUT FALLS TO 50 WHEN YOU PUT IT ON BOTTOM.
	14:00 - 18:00	4.00	RIG	8	REPLACE AIR VALVE & LINDE PUMP ON TOP DRIVE.
	18:00 - 05:00	11.00		1	DRILL 11301' - 11488', 187', 17 FPH, WOB 15-20K, RPM 120, 60 DOWN HOLE, 60 ON SURFACE. HOLE STARTED TAKING FLIUD @ 11380', SHOW 11382' - 11400' 600u, 6637u, 3800u. TRIED TO GO THROUGH BUSTER BUT ROTATING HEAD LEAKING BAD.
	05:00 - 06:00	1.00	RIG	4	CHANGE OUT ROTATING HEAD, SEAL GONE WHEN WE PULLED HEAD, DON'T THINK ONE WAS INSTALLED AFTER LAST TRIP.
4/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL 11488' - 11561', 73', 24.33 FPH, WOB 15-20K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. ROTATIG HEAD LOCKED UP, WORE RUBBER OUT.
	09:00 - 10:00	1.00	RIG	4	CHANGE OUT ROTATING HEAD RUBBERS.
	10:00 - 13:00		DRL	1	DRILL 11561' - 11614', 53', 17.66 FPH, WOB 15-20K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. LOSSES SEEM TO BE SLOWING.
	13:00 - 14:00		RIG	1	SERVICE RIG & TOP DRIVE.
	14:00 - 00:30	10.50	DRL.	1	DRILL 11614' - 11724 110',10.47 FPH, WOB 20-25K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. LOOSING ABOUT 2-4 BBL HR OF FLUID, RAISING MW TO CONTROL GAS, DRILLING FLARE 15-25', CONN FLARE 35'
	00:30 - 06:00	5.50	CIRC	1	DRILLING SLOWED TO 4 FPH, SHUT DOWN TO RAISE MW F/ BIT TRIP. BBG THROUGH BUSTER 1500 - 2500u MW 10.2, HEADED F/ 10.4. BYPASSED SHAKERS TO KEEP LCM IN SYSTEM.
4/22/2007	06:00 - 23:30	17.50	CIRC	1	C&C F/ BIT TRIP, MW HEADED F/ 10.2 - 10.8. GAS @ 10.8 IS STILL 725u THROUGH THE BUSTER, SPOTTED 160 BBL OF 12.2PPG MUD ON BOTTOM. ESTIMATE TOP OF PILL @ 9981'
	23:30 - 01:00	1.50	TRP	10	TOH 22 STANDS SLOW & WET. TO 9653', GAINED 8 BBL OF FLUID PULLING 22 STANDS.
	01:00 - 04:00	3.00	CIRC	1	CIRC BOTTOMS UP TO CLEAN UP GAS. GAS ON BUSTER 650u. MIXED PILL WHILE CIRC.
	04:00 - 06:00		CIRC	1	CHECK F/ FLOW, FLOWING 1/2" STREAM, RAISING MW TO 11.0 PPG.
4/23/2007	06:00 - 00:00	18.00	CIRC	1	C&C, RAISING MW F/ 10.8 - 11.8, HAD 11.7 COMMING BACK & LOST COMPLETE RETURNS @ 23:49 LCM 12%
	00:00 - 01:00	1.00	CIRC	2	MIXING LCM & MUD, LETTING MW DROP BACK TO 11.7 BRINGING LCM TO 15%
	01:00 - 06:00	5.00	CIRC	1	C&C, BUILD VOLUME, WT @ 11.7, LCM @ 20%, LOSSES @ 17 BPH, SEEM TO BE SLOWING A LITTLE, AROUND 7 BPH AS NEAR AS I CAN TELL AT THIS TIME.
4/24/2007	06:00 - 13:30	7.50	CIRC	1	C&C, MIXING MUD & BUILD VOLUME. CHECKED FLOW @ 08:00, NO FLOW. C&C BUILD PREMIX, GUN LINES PLUGGED OFF, & BAR HOPPER @ PREMIX PLUGGING @ 4X3" SAWGE. CHECKED F/ FLOW @ 11:15, FLOWING 1" STREAM & SURGING TO 4"-6" STREAM FIRST TIME WE HAVE SEEN THIS SURGING, TAKING PREMIX TO 12:2 PPG W/ 30% LCM.
	13:30 - 14:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION HCR VALVE, CHECK FLOW, NO FLOW. 11.8PPG MW.
	14:00 - 18:00	4.00	CIRC	1	C&C, BUILD PREMIX, 12.2 PPG MW, 30% LCM & SPOT F/ 9653' - 6745' CALCULATED OH.
	18:00 - 03:30		TRP	10	TOH TO 6107', PUMP TRIP PILL. CONTINUE W/ SLOW TOH, LD BIT & MOTOR. NO LOSSES ON TOH.
	03:30 - 06:00	2.50	TRP	10	PU HUNTING .22 MOTOR SN 6142 , DOG SUB, HTC 406Z BIT SN 7301750 BIT #16, & TIH SLOW
					Printed: 5/2/2007 9:14:30 AM

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Operations Summary Report

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/25/2007	06:00 - 08:30		TRP	10	TIH SLOW,BREAK CIRC EVERY 3 ROWS TO SHOE
	08:30 - 09:00		TRP	10	CHANGE OUT ROTATING HEAD
	09:00 - 10:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ THE SHOE, GAS PEAKED @ 4899u, 10-15' FLARE.
	10:00 - 16:00	6.00	TRP	10	TIH CIRCULATING BOTTOMS UP EVERY ROW , BOTTOMS UP FLARE ON LAST ROW 40 +' 44 BBL GAIN.
	16:00 - 17:00	1.00	REAM	1	W&R 470' TO BOTTOM, 36' OF FILL BOTTOMS UP FLARE 50', GAINED 55 BBL.
	17:00 - 18:00	1.00	CIRC	1	CIRC OUT GAS.
	18:00 - 06:00	12.00	DRL	1	DRILL 11724' - 11839', 115', WOB 18-25K, RPM 142, 92 DOWN HOLE, 50 ON SURFACE NO LOSSES THIS MORNING. MW 12.0, LCM 25% STILL BY PASSING SHAKERS.
4/26/2007	06:00 - 12:30	6.50	DRL	1	DRILL 11839' - 11867', 28',4,3 FPH, WOB 25K, RPM 142, 92 DOWN HOLE, 50 ON SURFACE. PLAYED W/ RPM & WOB BUT THATS ALL WE COULD GET OUT OF THIS BIT.
	12:30 - 13:30	1.00	SUR	1	DROP SURVEY @ 11797' (MISS RUN)
	13:30 - 14:30		CIRC	1	CIRC & FINISH MIXING TRIP PILL.
	14:30 - 18:00		TRP	10	TRIP OUT OF HOLE SLOW
	18:00 - 21:00		TRP	1	TRIP OUT OF HOLE
	21:00 - 21:30	0.50	TRP	1	CHANGE OUT BIT'S/ RETREIVE SURVEY/ FUNTION TEST BLINDS AND PIPE RAMS
	21:30 - 02:00		TRP	10	TRIP IN HOLE TO SHOE, FILL EVERY 3 ROWS, INSTALL ROT. RUBBER
	02:00 - 02:30		CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 110 PEAK GAS
	02:30 - 05:30		TRP	10	TRIP IN HOLE FILL PIPE AND BREAK CIRCULATION 8785,10,794
	05:30 - 06:00		CIRC	1	CIRCULATE/ WASH @ 10,794
4/27/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE TO 11744
	07:00 - 08:00		REAM	1	WASH AND REAM FROM 11,744 TO 11,867 25 FT FILL
	08:00 - 13:00	5.00	DRL	1	DRILL FROM 11,867 TO 11,924 (ROP 11.4) (STARTED SHAKIING OUT LCM SLOWLY OVER 1 SHAKER @ 10:30 am) MW 11.7/GAS 180 UNITS/ ON CONNECTION WORKED THROUGH TIGHT SPOT @ 11,890 UP TO 11,870
į	13:00 - 14:00	1.00	RIG	1	RIG SERVICE (SERVICE TOP DRIVE, COMPOUND)
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11,924 TO 11,965 (ROP 10.25 FT HR)
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11,965 TO 12,076 (ROP 9.25 FT HR) SLOWWED TO 4-5 FT HR FROM 11,975-12,003
4/28/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 12,076 TO 12,209 (ROP 19 FT HR) SHAKING LCM OUT DOWN TO 8-10% WOB 10-15, DHRPM 142, STARTED SEEPING WHEN WT UP TO 11.7+,
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG, TOP DRIVE, (REPLACE QUIK RELEASE ON #1 MOTOR CLUTCH)
	14:00 - 18:30	4.50	DRL	1	DRILL FROM 12,209 TO 12,256 (ROP 10.4 FT HR) HIT BLACK HAWK SAND TOOK KICK
	18:30 - 02:30	8.00	CIRC	1	CIRCULATE THROUGH CHOKE WEIGHTING UP MUD SLOWLY 1-2 POINTS A CIRCULATION NOT WANTING TO KNOCK THE BOTTOM OUT/ BRING UP LCM TO 20%-25%
	02:30 - 06:00	3.50	CIRC	2	STARTED LOSSING CIRCULATION WHEN MUD WEIGHT REACHED 12.3 PPG,SLOWWED PUMP DOWN AND PUMP HI LCM SWEEP,
4/29/2007	06:00 - 02:30	20.50	CIRC	2	FIGHT LOST CIRCULATION, PIPES SHUTIN AND GAS SOMETIMES OVER 3000 UNIT'S, PUMPING LCM SWEEPS EVERY HALF HOUR AND BRINGING MUD WEIGHT UP 1 POINT PER CIRCULATION WHILE GOING THROUGH CHOKE,
	02:30 - 06:00	3.50	DRL	1	DRILL FROM 12,256 TO 12,285 (ROP 8.25 FT HR) BRING WT UP TO CONTROL BACK GROUND GAS
4/30/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 12,285 TO 12,303 (ROP 9 FT HR.) 2-3 BBL LOSS 25-28% LCM,
	08:00 - 09:00	1.00	RIG	1	SERVICE RIG AND TOP DRIVE, COMPOUND, BLOCKS
	09:00 - 06:00	21.00		1	DRILL FROM 12,303 TO 12,471' (ROP 8' FT. HR.) 2-3 BBLS LOSS
5/1/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 12,470 TO 12,490 (ROP 10' HR) MW 12.7/WOB 20-25/ DHRPM 130
					Printed: 5/2/2007 9:14:30 AM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

	LINGIGIA	1	1		Trig Number. 24
Date	From - To	Hours	Code	Sub Code	Description of Operations
5/1/2007	06:00 - 08:00		DRL	1	SHAKE LCM OUT TO 10% LCM IN SYSTEM
	08:00 - 21:00	13.00	RIG	2	REPAIR RIG/MASTER CLUTCH BOOT HAS HOLE IN IT, (NEW ONE COMING FROM CASPER AND TWO MECHANICS)
	21:00 - 06:00	9.00	DRL	1	DRILL FROM 12,490 TO 12,600 (ROP 12.2 HR) MW 12.7/WOB 20-25/DHRPM
5/2/2007	06:00 - 08:30	2.50	DRL	1	130 DRILL FROM 12,600 TO 12,612 (ROP 4.8 FT HR)
	08:30 - 10:30		CIRC	7	CIRCULATE BOTTOMS UP FOR SAMPLE/MUD LOGGER
	10:30 - 17:00		RIG	2	SHORT TRIP OUT 50 STANDS SLOW BECAUSE OF AIR ISSUES WITH MASTER CLUTCH (WHEN THEY THROTTLE UP ON DRAWWORKS ABOUT HALF THROTTLE IT KICK'S OUT THE MASTER CLUCH), (TIGHT SPOTS WERE AT 12,225 TO 12,12,215 AND 11,960 TO 11,950 AND 11,925 TO 11,910) WORK UP AND DOWN THROUGH TIGHT SPOTS/ WHILE TRIPPING ALSO WAS TRYING TO WORK ON MASTER CLUTCH TO FIGURE OUT PROBLEM WITH IT,
	17:00 - 21:00	4.00	TRP	14	TRIP IN HOLE 50 STANDS BREAKING CIRCULATION EVERY 22 JT.S/ WASHED 25' OF SOFT FILL(MOTOR IS REAL WEAK)
	21:00 - 02:30	5.50	CIRC	1	CIRCULATE AND GET MUD PROPERIES INTO SHAPE(12.7+) BOTTOMS UP FLARE 25'-30'/PIT GAIN 86 BBL.S/ WITH ECD.S FLARE IS 2-3'
	02:30 - 03:30		CIRC	1	FLOW CHECK - OK - DROP SURVEY
	03:30 - 06:00	2.50	TRP	2	TRIP OUT OF HOLE TO RUN 7" LINER & STRAP OUT OF HOLE
	}				

Form 3160-5 (November 1994)

UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPROVED
OMB N	o. 1004-0135
Expires	July 31, 1996

5. Lease Serial No.

BUMPY M	OTICES AND REPORTS ON	WELLS		UTU-02510A	
	form for proposals to drill		AAL	6. If Judian, Allott	ee or Tribe Name
shandanad wali i	Jse Form 3160-3 (APD) for su	ich proposals.			a
apandoned wen.	,se , o,,,, o , o , o , ,		₩ ₩1	N/A	·
				7. If Unit or CA/Agr	eement, Name and/or No.
SUBMIT IN TRIPLICA	ATE - Other instructions	s on reverse side			
1. Type of Well				WHITE RIVE	R UNIT
Oil Well Sas Well	Other			8. Well Name and	d No.
2. Name of Operator			-	GB 1M-4-8-22	2R
Questar Exploration & Production	Company Conta	act: Jan Nelson		9. API Well No.	
3a. Address	3b.	Phone No. (include area	code)	43-047-38990	
1571 East 1700 South Vernal, Ut	ah 84078 43	35-781-4032		1	, or Exploratory Area
3				WHITE RIVE	
1147' FNL 474' FVL, LOT 8, SEC	TION 4, T8S, R22E			11. County or Pari	sh, State
E				UINTAH	
12. CHECK APPROPRIATE BOX(ES) T	O INDICATE NATURE OF NOT	TICE, REPORT, OR OTH	HER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION				7 11 1 000
■ Notice of Intent	Acidize	Deepen		Start/Resume)	Water Shut-Off
	Alter Casing	Fracture Treat	Reclamation	_	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		Other
	X Change Plans	Plug and Abandon	Temporarily		TD CHANGE
Final Abandonment Notice 13. Describe Proposed or Completed Operation	Convert to Injection	Plug Back	Water Dispo		
Attach the Bond under which the work we Following completion of the involved oper Testing has been completed. Final Aban determined that the site is ready for final inspection. Questar Exploration & Production TD was permitted to 16,700'.	Company proposes to exte	nd the TD to 17,075 sted accordingly. Appro Utah	to the Dak oved by to Division s and Min	ota formation. he of ning	Solved and the operator has
		Ву:			en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
14. I hereby certify that the foregoing is true a	nd correct	Tide			
Name (Printed/Typed)		Title			
Laura Bills		Regulatory Affairs			
Signature	A 0	Date			
Maura 131	⁹ /A	May 17, 2007			
Translat Ass	THIS SPACE FOI	R FEDERAL OR STATE	USE		
Approved by		Title			Date
Approved by					
Announced Announced	al of this notice does not warrant or certify	Office			
Conditions of approval, if any, are attached. Approva that the applicant holds legal or equitable title to those entitle the applicant to conduct operations thereon.	e rights in the subject lease which would		. T	Clas Sotitions	
Title 18 U.S.C. Section 1001, makes it a crime for an		o any department or agency of the	ne United States ai	ly raise, ricutious of	
fraudulent statements or representations as to any mat	ter within its jurisdiction.				
(Instructions on reverse)				RECE	IVED

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Operations Summary Report

Well Name: GB 1M-4-8-22R

Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

43-047-38990

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 24

Date	From - To	Hours		Sub Code	Description of Operations
1/24/2007	06:00 - 08:00	2.00	LOC	4	RIG DOWN TO SKID RIG FOR TRUCKS
1/24/2007	08:00 - 10:00	2.00	1.00	7	RIG UP CRAINE, TRUCKS TO PULL FRONT TWO MATS
			LOC	4	DIG CELLAR IN STALL RING
	10:00 - 15:30		FOC	4	SLID RIG 10' AHEAD W/ 4 TRUCKS, CRAINE , 2 D-8 CATS
	15:30 - 17:00			4	1
	17:00 - 00:00		LOC		RIG BACK UP FRONT YARD
	00:00 - 06:00		TRP	1	PICK UP DP STAND IN DERRICK
1/25/2007	06:00 - 10:00		FOC	4	SET GAS BUSTER, CHOKE HOUSE IN W/ CRAIN, FLOW LINE
	10:00 - 12:00	2.00			TRYING TO SCREW IN TO BHA STANDING DERRICK
	12:00 - 13:00	1.00	İ		KICK PUMPS IN FROZE IN TOP DRIVE
	13:00 - 16:00	3.00			STAND BHA BACK IN DERRICK TOP DRIVE BACK OUT DRILL PIPE IN TOP OF
					MONEL DC HAD TO GET SCREWED BACK IN MONEL DC
	16:00 - 17:00	1.00		5	UNTHAW TOP DRIVE IN UPPER KELLY COCK
	17:00 - 18:00		TRP	1	PICK UP BHA
	18:00 - 21:00	3.00	DRL	1	SPUD IN 17 1/2 HOLE @ 1800 1/24/2007 DRILLING F/21 TO 47'
	21:00 - 22:00	1.00	RIG	2	TIGHT UP STAND PIPE UNION
	22:00 - 02:30	4.50	DRL	1	DRILL F/ 47 TO 258
	02:30 - 05:00	2.50	TRP	2	LAY DOWN 6 DP, TO 2 STD 6 5/8 HWD
	05:00 - 06:00	1.00	REAM	1	WASH 90' TO BOTTOM
1/26/2007	06:00 - 06:30	0.50	SUR	1	SURVEY @ 261 1.2 DEG 54.0 AZ
	06:30 - 10:30	4.00	DRL	1	DRILL F/ 258 TO 350
	10:30 - 11:00	0.50			CLEAN OUT SUCTION&DISCHARGE LINE ON CELLAR PUMP
	11:00 - 11:30		DRL	1	DRILLING F/ 350 TO 374
	11:30 - 12:30	1.00	TRP	2	L/D 5 JTS. PIPE & RUN IN 6 5/8 HWD
	12:30 - 16:30		DRL	1	DRILLING F/374 TO 526'
	16:30 - 17:00		SUR	1	SURVEY @ 476' 1.7 DEG 39.4 AZ
	17:00 - 18:30		TRP	14	SHORT TRIP TO BIT(SLM BOARD 526.0 STRAP 528.33 NO CORR.)
	18:30 - 19:30		CIRC	1	CIRC. SWEEP AROUND RUN 13 3/8 CSG.
	19:30 - 22:00		TRP	2	TRIP OUT RUN 13 3/8 CASING, L/D IBS, SHOCK SUB
	22:00 - 00:00		CSG	1	RIG UP CASING CREW, CHANGE OUT BAILES ON TOP DRIVE
	00:00 - 03:00		CSG	2	RUN 12 JTS 13 5/8 CASING K-55 # 54.5 W/ WESTSTATE CASING
	03:00 - 04:00		CIRC	1	RIG UP CIRC 13 3/8 CSG.
	04:00 - 06:00		CMT	2	RIG CMT. HELD SAFTY MEETING CMT. 13 3/8 CSG
1/27/2007	06:00 - 07:00		CMT	2	CEMENT 13 3/8 CSG. W/ 500 SK. TYP 3 0.2 VERASET, 1% CALCIUM CHLORID,
1/2//2001	00.00 - 07.00	1.00	CWII	_	0.125#5K POLYFLACK #14.5 PPG.YIELD 1.40 RETRUNED 9.5 BBL TO PIT FLOAT HELD.PLUG DOWN @ 06:30 RIG DOWN CEMENTER
	07:00 - 12:00	5.00	WOT	1	WOC
	12:00 - 18:00	6.00	вор	1	CUT OFF PIPE, CHIP CMT DOWN 1 FT. FOR BASE PLATE ON HEAD, WELD ON HEAD, TEST TO 1,000 PSI
	18:00 - 06:00	12.00	BOP	1	NIPPLE UP BOPS
1/28/2007	06:00 - 19:00	13.00		2	TEST BOPS,HAD RETIGHT ALL FLANGE, TESTED HYDRILL,WING VAVLES, UNTHAW HCR VALVE,TESTED HCR
	19:00 - 20:00	1.00		2	CHANGE OUT 4 1/2 PIPE RAMS, BLOCKS
	20:00 - 22:00		BOP	2	TEST UPPER KELLY,
	22:00 - 00:00	2.00	RIG	2	FLIP PIPE RAMS OVER
	00:00 - 01:00	1.00	BOP	2	CHANGE OUT TEST JT.UNTHAW TOP DRIVE
	01:00 - 02:00	1.00	BOP	2	RETEST PIPE RAMS,NO GOOD
	02:00 - 06:00		RIG	2	NIPPLE DOWN BOPS, WAIT ON NEW DOUBLE GATE FROM QUAIL OUT
	1			_	CASPER SHOULD BE HEAR @ 12:00 TO DAY
1/29/2007	06:00 - 17:00	11.00	wot	4	NIPPE DOWN BOPS, WAIT ON DOUBLE GATE F/ QUAIL IN CASPER, UNTHAW KELLY HOSE, PUT KELLY HOSE EXT. PIPE ON TO KEEP HOSE OFF TOP DRIVE
	17:00 - 23:00	6.00	вор	1	NIPPLE UP BOPS
	23:00 - 06:00		BOP	2	TEST BOPS PIPE RAMS, BLINDS, CHOKE MANFOILD, WING VALVE, HCR,
	25.00 - 00.00	7.00	501	_	120, 20, 0, 1, 2, 10, 100, BERTOO, GITORE MARK SIZE, WITO VALUE, HOLY,

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/29/2007	23:00 - 06:00	7.00	вор	2	CHECK VALVE UPPER, LOEWR KELLY VAVLE, LOW, 250 PSI 5MINS, HIGH 5,000 10 MIN, HY DRILL 250 LOW 5MIN. HIGH 2500 PSI 10 MINS. TEST CASING TO 1500 PSI FOR 30 MINS OK
/30/2007	06:00 - 13:30	7.50	RIG	2	NIPPLE DOWN ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD, INSTALL WEAR BUSHING, DRILL
	40.00 40.00		RIG	2	MOUSE HOLE, NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE
	13:30 - 19:00 19:00 - 20:30		BOP	1	PUT TRUN BUCKLES ON BOP, CENTER BOP UP TO ROTARY TABLE
	20:30 - 00:00		TRP	1	P/ UP BHA
	00:00 - 01:00		TRP	2	TRIP IN HOLE TAGED CMT AT 470'
	01:00 - 04:30		DRL	1	DRILLING CMT ,FLOAT COLLAR, SHOE, & 10' NEW HOLE
	04:30 - 05:30		EQT	2	RIG UP , FIT TEST TO 61 PSI = 10.5 MUD WT BLEAD OFF 10 PSI IN 5MINS TESTED W/ SINGLE JACK TESTING
	05:30 - 06:00	0.50	TRP	3	LAY DOWN SLICK JT . DP , UP SPIRAL HWDP
/31/2007	06:00 - 09:30		DRL	1	DRILLING F/ 526 TO 720
	09:30 - 11:00		CIRC	1	CIRC WHILE WORKING ON PASON EQUIPT.
	11:00 - 12:30	1.50	DRL	1	DRILLING F/ 720 TO 812
	12:30 - 13:00	0.50	отн		CIRC. WORK ON TOP DRIVE STALLING OUT W/ 10,000 WT
	13:00 - 13:30	0.50	DRL	1	DRILLING F/812 TO 830
	13:30 - 14:00		отн		CIRC. WORK ON TOP DRIVE
	14:00 - 15:30	1.50	DRL	1	DRILLING F/ 830 TO 904
	15:30 - 16:00	0.50	RIG	1	RIG SER.
	16:00 - 17:30	1.50	DRL	1	DRILLING F/ 904 TO 953
	17:30 - 20:00		отн		WORK ON TOP DRIVE FILLTER COLAPSED
	20:00 - 20:30		DRL	1	DRILL F/ 953 TO 1035
	20:30 - 21:30		SUR	1	SURVEY @ 1,000' 1.6 DEG 35.2 AZ
	21:30 - 01:00		DRL	1	DRILL F/ 1035 TO 1147'
	01:00 - 02:30		ОТН		CIRCULATE AND WORK PIPE WHILE CHANGE OUT FLITERS ON TOP DRIVE 12 FILTERS ALL IN BAD CONDITION.
	02:30 - 06:00		DRL	1	DRILL F/ 1147' TO 1250
/1/2007	06:00 - 13:00		DRL	1	DRILLING FROM 1250' TO 1483'
	13:00 - 15:30		RIG	2	WAITTING ON WELDER AND REPAIR STAND PIPE
	15:30 - 17:00		DRL	1	DRILLING FROM 1483' TO 1514'
	17:00 - 18:00		SUR	1	RAN WIRE LINE SURVEY AT 1444' 1.9 DEG. 37.30 AZI
	18:00 - 20:30 20:30 - 23:00		DRL TRP	1 13	DRILLING FROM 1514' TO 1544' TRIP OUT OF HOLE TO CASING SHOE DUE TO MOTOR FAILURE ON TOP
	22.00 02.00	4.00	RIG	2	DRIVE CHANGE OUT TOP MOTOR ON TOP DRIVE, AND TESTED MOTOR
	23:00 - 03:00		TRP	13	TRIP IN HOLE TO 1079'
	03:00 - 04:30		REAM	13	WASH AND REAM FROM 1079' TO 1544'
12/2007	04:30 - 06:00 06:00 - 13:00		DRL	1	DRILLING FROM 1544' TO 1734'
/2/2007	13:00 - 15:30		OTH	1'	REPAIR PASON
	15:30 - 20:30		RIG	2	WELDER REPAIR DISCHARGE LINE ON PUMP # 2
	20:30 - 20:30		DRL	1	DRILLING FROM 1734' TO 1796'
	22:00 - 23:00	F.	CIRC	1	MADE CONNECTION HOLE PACKING OFF BENT TWO JOINTS PIPE
	22.00 - 23.00	1.00	SING	1'	CIRCULATED HI VIS SWEEP
	23:00 - 00:30	1 50	DRL	1	DRILLING FROM 1796' TO 1801'
	100:30 - 02:00		RIG	2	REPAIR MUD PUMP CHANGE SWAB #1 PUMP
	02:00 - 06:00		DRL	1	DRILLING FROM TO 1801' TO 1920'
/3/2007	06:00 - 11:00		DRL	i	DRILLING FROM 1900' TO 2017'
30,2001	11:00 - 11:30		RIG	1	SERVISE RIGRIG SERVICE
	11:30 - 12:00	0.50		Ι΄.	INSTALL ROTATING HEAD
	12:00 - 22:00		DRL	1	DRILLING FROM 2017' TO 2203'
	12.00				
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/3/2007	22:00 - 22:30	0.50	отн		REPAIR TOP DRIVE
	22:30 - 23:00	0.50	SUR	1	WIRE LINE SURVEY AT 2133' 1.7 DEG. 36.2 AZM
	23:00 - 06:00	7.00	DRL	1	DRILLING FROM 2203' TO 2275'
2/4/2007	06:00 - 08:30		DRL	1	DRILLING FROM 2275' TO 2309'
	08:30 - 09:00		CIRC	1	PUMP SWEEPS AND CIRCULATE
	09:00 - 12:30		TRP	10	TRIP OUT OF HOLE FOR BIT
	12:30 - 14:30		TRP	10	CHANGE OUT BIT AND TRIP IN HOLE TO SHOE
	14:30 - 15:00		RIG	1	SERVICE TOP DRIVE
	15:00 - 15:30		TRP	10	TRIP IN HOLE HIT BRIDGE AT 873'
	15:30 - 23:00		REAM	1	WASH AND REAM FROM 873' TO 2164 EXCESSIVE AMOUNTS OF PEE GRAVEL COMING BACK ACROSS SHALE SHAKERS, RAISING WT AND VIS
	23:00 - 00:00	1 00	RIG	2	CHANGE OUT KELLY SAVER SUB
	00:00 - 05:00		TRP	10	PACKED OFF WORKING TIGHT HOLE FROM 2164 BACK REAM UP TO
	05:00 - 06:00		CIRC	1	CIRC, AND RAISE WT TO 9.2, VIS TO 40, REAMING TO BOTTOM
VE 12007	06:00 - 08:30		REAM	1	WASH AND REAM FROM 2197 TO 2314
2/5/2007	08:30 - 14:00		DRL	i	DRILLING FROM 2309 TO 2390
			RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	14:00 - 14:30				DRILLING FROM 2390 TO 2757
	14:30 - 06:00	15.50	UKL	1	
10100=	06:00 -		op.	 	NOTE: AFTER RAISING VIS AND WT, TORQUE WENT AWAY
2/6/2007	06:00 - 09:30		DRL	1	DRILLING FROM 2757 TO 2832
	09:30 - 10:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	10:00 - 12:30		DRL	1	DRILLING FROM 2832 TO 2895
	12:30 - 13:00		RIG	2	RIG REPAIR, FILL # 2 PUMP MOTOR WITH ANTIFREEZE
	13:00 - 06:00	17.00		1	DRILLING FROM 2895 TO 3230
2/7/2007	06:00 - 07:00		DRL	1	DRILLING FROM 3230 TO 3275
	07:00 - 07:30	0.50	RIG	2	RIG REPAIR DAY TANK ON # 2 PUMP RAN OUT OF FUEL
	07:30 - 10:30	3.00	DRL	1	DRILLING FROM 3275 TO 3339
	10:30 - 11:00	0.50	RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	11:00 - 00:30	13.50	DRL	1	DRILLING FROM 3339 TO 3593
	00:30 - 01:30	1.00	RIG	2	RIG REPAIR # 2 PUMP, REPLACED VALVE & SEAT IN SUCTION
	01:30 - 06:00		DRL	1	DRILLING FROM 3593 TO 3664
2/8/2007	06:00 - 10:30		DRL	1	DRILLING FROM 3664 TO 3750
	10:30 - 11:30		RIG	2	CHANGE OUT MIDDLE DISCHARGE VALVE AND SEAT # 1 PUMP
	11:30 - 17:00		DRL	1	DRILLING FROM 3750 TO 3847
	17:00 - 18:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	18:00 - 19:00		DRL	1	DRILLING FROM 3847 TO 3870
	19:00 - 21:00	2.00	TRP	13	PRESSURE LOSS, BIT QUIT DRILLING, LOOKING FOR PRESSURE LOSS WENT THROUGH BOTH PUMPS
	21:00 - 22:00	1.00	TRP	13	MIX UP PILL
	22:00 - 22:30		TRP	13	DROP SURVEY
	22:30 - 23:00		TRP	13	PUMP PILL
	23:00 - 01:30		TRP	13	TRIP OUT FOR MOTOR
	01:30 - 06:00		TRP	13	TWO 2" HOSES BLEW INTO BETWEEN TOP DRIVE UNIT AND 1/4 WAY UP DERRICK, WHILE BREAKING OUT SAVER SUB TO PULL OUT HWDP
	06:00				NOTE: HAD 6 TH MAN CHANGE LINERS IN #1 PUMP TO 5 1/2
10/0007	06:00 - 06:00 - 12:30	6 50	отн	1	WORKING ON TESCO TOP DRIVE, REPLACING 2" HOSES, PROBLEMS W/
2/9/2007					BACK PRESSURE ON GRABBER
	12:30 - 13:30		TRP	13	TRIP OUT TO SHOE
	13:30 - 15:00		OTH	١.	WORKING ON BACKPRESSURE ON GRABBER, REPLACE CHECK VALVE
	15:00 - 18:00		TRP	1	TRIP OUT , CHANGE OUT BIT AND MOTOR, CLOSE AND OPEN BLINDS, PIPES AND HYDRIL
	18:00 - 23:00	5.00	TRP	13	TRIP IN TO 1100', HIT BRIDGE, COULD NOT CIRCULATE THROUGH STRING
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/9/2007	23:00 - 02:00	3.00	TRP	13	TRIP OUT TO MOTOR,
	02:00 - 04:00	2.00	TRP	13	FLOAT BROKE, CLEAN JUNK OUT OF MOTOR
	04:00 - 05:30	1.50	TRP	2	TRIP IN WITH MOTOR AND IBS, CIRCULATE THROUGH BHA, GOOD
	05:30 - 06:00	0.50	TRP	2	TRIP IN WITH BHA
2/10/2007	06:00 - 07:00	1.00	TRP	2	TRIP INTO 1100
	07:00 - 07:30	0.50	отн	1	INSTALL TRIP SLEEVE IN ROTATING HEAD
	07:30 - 16:00	8.50	REAM	1	WASH AND REAM FROM 1100' TO 3183
	16:00 - 17:00	1.00	отн	l	INSTALL ROTATING HEAD RUBBER,
	17:00 - 18:00	1.00	REAM	1	HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
	18:00 - 22:00		CIRC	2	LOST CIRC, PACKED OFF, BACK REAM FROM 3207 TO 3179, GOT RETURNS
	22:00 - 01:00	3.00	CIRC	1	CIRCULATE AND CONDITION MUD
	01:00 - 02:00	1.00	TRP	2	TRIP IN HOLE TO 3780
	02:00 - 04:00	2.00	REAM	1	WASH AND REAM FROM 3780 TO 3860
	04:00 - 05:00	1.00	RIG	2	RIG REPAIR, GO THROUGH # 2 PUMP CLEAN OUT ROCKS
	05:00 - 05:30	0.50	REAM	1	WASH AND REAM FROM 3860 TO 3870
	05:30 - 06:00		DRL	1	DRILLING FROM 3870 TO 3875
2/11/2007	06:00 - 08:00	2.00	DRL	1	DRILLING FROM 3875' TO 3927'
	08:00 - 09:30		RIG	2	REPAIR MUD PUMP # 2
	09:30 - 21:30	12.00		1	DRILLING FROM 3927' TO 4164'
	21:30 - 22:00	0.50	RIG	2	CHANGE OUT TWO SHAKER SCREEN ON ONE ON EACH SHAKER
	22:00 - 06:00		DRL	1	DRILLING FROM 4164' TO 4280, AT 4242' HOLE STARTED TAKING MUD
					AVERAGE 65 BBL / HR. ADDED 20 SKS NEW CARB, 20 SKS MICA, 20 SKS DYNA FIBER, AND 20 SKS ASH PHALT IN 1 HOUR 15MIN LOSSES WERE
					DOWN TO 12 BBLS / HOUR
2/12/2007	06:00 - 09:00	3.00	DRL	1	DRILLING FROM 4292' TO 4326'
	09:00 - 05:00	20.00		2	CIRCULATE AND CONDITION WHILE ATTEMPT TO REPAIRING # 2 MUD PUMP
	09.00 - 05.00	20.00	1110	•	DISCHARGE, REPAIRS FAILED CHANGED OUT DISCHARGE MODULE
	05:00 - 06:00	1.00	DRL	1	DRILLING FROM 4326' TO 4340'
2/13/2007	06:00 - 11:00		DRL	li i	DRILLING FROM 4340' TO 4379'
2/14/2007	11:00 - 12:00		SUR	i	DROP SURVEY AT 4309' 1.5 DEG 61.20 AZI
	12:00 - 19:30		TRP	10	TRIP OUT OF HOLE DUE TO PENETRATION RATE
	19:30 - 22:00		отн	'`	PULLED WEAR BUSHING TO CHECK WEAR, DRILL PIPE RIDING ON SIDE OF
	22:00 - 02:30		TRP	10	BOPS SLIGHT WEAR ON WEAR BUSHING RE RAN WEAR BUSHING MADE UP BIT # 5 SMITH MX9539 AND TRIP IN HOLE (1.5 HOURS TO LATCH
			RIG	6	ONTO STAND OF 8" DRILL COLLARS) SLIPPED AND CUT DRILL LINE
	02:30 - 04:00		OTH	١	ADJUST TOP DRIVE TRACK AND ALINE BOPS WITH ROTARY TABLE
	04:00 - 06:00		TRP	10	TRIP IN HOLE TO 4300
	06:00 - 09:00		REAM	10	SAFETY WASH 79' TO BOTTOM 20' OF FILL
	09:00 - 10:30 10:30 - 14:30		DRL	1	DRILLING FROM 4379 TO 4416
	14:30 - 14:30		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	15:00 - 17:00		DRL	1	DRILLING FROM 4416 TO 4431
	17:00 - 18:00		RIG	2	RIG REPAIR, REPLACE SUCTION VALVE AND SEAT IN # 1 PUMP
	18:00 - 01:30		DRL	1	DRILLING FROM 4431 TO 4478
	01:30 - 05:00		RIG	2	RIG REPAIR # 1 PUMP SUCTION VALVE AND SEAT, BULL WHEEL SIDE, ALSO CHANGED VALVE IN DISCHARGE MIDDLE
	05:00 - 06:00		DRL	1	DRILLING FROM 4478 TO 4487
2/15/2007	06:00 - 10:30		DRL	1	DRILLING/ 4487 TO 4500
	10:30 - 13:00	2.50	RIG	2	CHANGE OUT VALVE, SEAT IN # 2PUMP CENTER POT
	13:00 - 13:30	0.50	RIG	1	RIG SER
	13:30 - 14:00	0.50	DRL	1	DRILL F/ 4500 TO 4520
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 24

15:00 - 18:00 3.00 DRL 1 DRILL F/4820 TO 4584 18:00 - 23:00 0:00:00 1:00 RIG 2 GO THRU #2 MUD PUMP, CHANGE OUT VALVES ON SUCTION AND DISCHARGE 10:00 - 03:00 0:30:00 0:30:00 0:30:00 0:30:00 0:50 DRL 1 DRILL F/4819 TO 4641 10:00 - 13:00 0:00:00 2:50 DRL 1 DRILL F/4819 TO 4649 10:00 - 13:00 3:00 DRL 1 DRILL F/4819 TO 4649 10:00 - 13:00 3:00 DRL 1 DRILL F/4819 TO 4686 10:00 - 13:00 3:00 DRL 1 DRILL F/4819 TO 4686 10:00 - 13:00 3:00 DRL 1 DRILL F/4819 TO 4686 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4686 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4686 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4686 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4686 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 2:50 TRP 1 DRILL F/4819 TO 4681 10:00 - 18:30 1:50 TRP 1 DRILL F/4819 TO 4689 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4689 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4689 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4689 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4680 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4680 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4886 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4886 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4886 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4886 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4886 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4889 10:00 - 18:30 1:50 DRL 1 DRILL F/4819 TO 4880 10:00 - 18:30 1:50 DRL	Date	From - To	Hours	Code	Sub Code	Description of Operations
18:00 - 23:00	2/15/2007	14:00 - 15:00	1.00	CIRC	1	CIRC, MIX , PUMP SWEEP LMC (LOST 120 BBL. MUD)
23.00 - 0.000		15:00 - 18:00	3.00	DRL	1	DRILL F/ 4520 TO 4584
DISCHARGE DISC		18:00 - 23:00	5.00	DRL	1	DRILL F/4584 TO 4619
00.00 - 0.300 3.00 0RL 1 DISCHARGE 1 DRILL F/489T 10 4641 03:00 - 03:30 0.50 RIG 2 WORK ON #2 PUMP, CHANGE OUT VALVES IN MIDDLE SECTION 03:30 - 06:00 1:00 07:00 1:00 07:00 1:00 07:00 1:00 07:00 1:00 07:00 0		23:00 - 00:00	1.00	RIG	2	GO THRU #2 MUD PUMP, CHANGE OUT VALVES ON SUCTION AND
16/2007 06:00 - 10:00						DISCHARGE
16/2007 06:00 - 10:00		00:00 - 03:00	3.00	DRL	1	DRILL F/4619 TO 4641
16/2007 06:00 - 10:00					2	WORK ON #2 PUMP, CHANGE OUT VALVES IN MIDDLE SECTION
16/2007 06:00 - 10:00			2.50	DRL	1	DRILL F/4641 TO/
10:00 - 13:00 3:00 REAM 1 REAMING, WORK TORQUE OUT 10:00 - 18:30 2:50 TRP 10 10:00 - 18:30 2:50 TRP 10 10:00 - 18:30 2:50 TRP 10 10:00 - 18:30 2:50 TRP 10 10:00 - 18:30 2:50 TRP 10 10:00 - 18:30 2:50 TRP 10 10:00 - 10:00 TRP 1 LAY DOWN MOTOR, SHOCK TOOL, IBS STABILIZER, BIT LAY	2/16/2007				1	DRILL F/ 4671' TO/ 4686' (LOST 100 BBLS MUD, DRAIN VALVE TO TRIP TANK
10:00 - 13:00 3.00 REAM 1 REAMING, WORK TORQUE OUT 13:00 - 16:00 3.00 CiRC 1 CiRCULATE & CONDITION MUD, MIX & PUMP DRY JOB T.O.O.H TO HWDP, SLM 4685 18:30 - 03:30 9:00 ISP 1 INSPECT BHA & LAY DOWN 4 JTS OF 4 1/2" HWDP 170	L, 10/2001	10,00				
13:00 - 16:00		10:00 - 13:00	3.00	RFAM	1	
18:00 - 18:30					1 -	
18:30 - 03:30						
17/2007 06:00 - 07:00 1.00 TRP 1 LAY DOWN STABILIZER & MUD MOTOR 1.00 TRP 1 LAY DOWN STABILIZER & MUD MOTOR 1.00 TRP 1 LAY DOWN STABILIZER & MUD MOTOR 1.00 TRP 1 LAY DOWN STABILIZER & MUD MOTOR 1.00 TRP 1 TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS 1.00 TRP 1 TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS 1.00 TRP 1.00 TRP 2 TIH WASH & REAM F/3254', T/3515' TIS 14 T/351' TIH						
17/2007 06:00 - 07:00 1:00 TRP 1 LAY DOWN STABILIZER & MUD MOTOR 07:00 - 08:00 10:00 TRP 1 TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS TIH WASH & REAM F/3254', T/3515' TIH WASH & REAM F/3254', T/3515' TIH WASH & REAM F/3254', T/3515' TIH WASH & REAM F/3254', T/3515' TIH WASH & REAM F/3254', T/3515' TIH WASH & REAM F/3254', T/3515' TIH WASH & REAM F/362 T/ 4685 TIH WASH & REAM F/362 T/ 46						
17:00 - 08:00	2/17/2007				1.	
08:00 - 12:00					1.1	
12:00 - 14:00						
14:00 - 15:00						
15:00 - 16:30						
15:30 - 16:00						
16:00 - 16:30					1 .	
16:30 - 17:30						
17:30 - 18:00		1				
18:00 - 18:30						
18:30 - 19:00					1	
18/2007	1				1	
18/2007 06:00 - 14:00					1	
18/2007 06:00 - 14:00		19.00 - 00.00	11.00	CIRC	'	
14:00 - 21:30	148/2007	06:00 14:00	9 00	EIGH	2	
21:30 - 05:00	2/10/2007					
300LBS SAND AGAN STILL DID NOT WORK 19/2007						
19/2007 06:00 - 12:00		21:30 - 05:00	7.50	FISH	3	
19/2007 19/2007 19/200 19/200 19/2007 19/200		05:00 00:00	4 00	EIGH	2	
19/2007 06:00 - 12:00 1.00 FISH 3 JARING ON STUCK PIPE, CAME FREE 12:00 - 13:00 1.00 TRP 2 TRIP OUT 2 STANDS 14:30 - 18:00 3.50 TRP 2 T.O.O.H, L/D DRILLING JARS 18:00 - 20:00 2.00 TRP 2 T.O.O.H, L/D DRILLING JARS 18:00 - 20:00 2.00 TRP 2 T.O.O.H, L/D DRILLING JARS 18:00 - 20:00 2.00 TRP 1 L/D SHOCK SUB, MOTOR, PDC BIT, MONEL 22:00 - 23:00 1.00 TRP 1 L/D SHOCK SUB, MOTOR, PDC BIT, MONEL 23:00 - 00:00 1.00 TRP 1 P/U JUNK BASKET, MILL TOOTH BIT TRIP IN HOLE 1 WASH 90 ' TO 80TTM 4617 TO 4707 WORK JUNK SUB ON BOTTOM PICK UP BALL , NUTS 07:30 - 08:30 0.50 DRL 1 DRILLING F/ 4707 TO 4718 08:30 - 12:30 15:00 15:00 15:00 15:00 TRP 1 L/D BIT SUB, P/U MUD MOTOR, MONEL DC. TRIP IN HOLE T		05:00 - 06:00	1.00	FISH	3	
12:00 - 13:00		00.00 40.00		EIO.I	_	
13:00 - 14:30	2/19/2007					
14:30 - 18:00					1	
18:00 - 20:00					1	
20:00 - 22:00					_	
22:00 - 23:00						
23:00 - 00:00						
00:00 - 06:00						
20/2007 06:00 - 07:00 1.00 REAM 1 WASH 90 ' TO BOTTM 4617 TO 4707 07:00 - 07:30 0.50 FISH 5 WORK JUNK SUB ON BOTTOM PICK UP BALL , NUTS 08:00 - 08:30 0.50 CIRC 1 CIRC, MIX & PUMP PILL 08:30 - 12:00 3.50 TRP 2 TRIP OUT HOLE W/JUNK SUB (CLOSED BLIND RAMS, WORKED PIPE RAMS) 12:00 - 12:30 15:00 2.50 TRP 1 L/D BIT SUB, P/U MUD MOTOR, MONEL DC. TRIP IN HOLE					1 -	1
07:00 - 07:30						
07:30 - 08:00	2/20/2007					
08:00 - 08:30						
08:30 - 12:00					1	
12:00 - 12:30						
12:30 - 15:00						
15:00 - 18:30 3.50 TRP 2 TRIP IN HOLE						
		12:30 - 15:00			1.0	
18:30 - 19:00 0.50 REAM 1 WASH & REAM 30' TO BOTTOM, F/4688' T/ 4718'		15:00 - 18:30	3.50	TRP	2	
		18:30 - 19:00	0.50	REAM	1	WASH & REAM 30' TO BOTTOM, F/4688' T/ 4718'
		1				
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2007	19:00 - 21:30	2.50	DRL	1	DRILL F/ 4718' T/4780'
	21:30 - 22:30	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE SWAB
	22:30 - 00:00		DRL	1	DRILL F/4780' T/4812'
	00:00 - 01:00	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE ANOTHER SWAB
	01:00 - 01:30	0.50	DRL.	1	DRILL F/4812' T/4831'
	01:30 - 02:00		RIG	2	COOL #2 MUD PUMP
	02:00 - 06:00		DRL	1	DRILL F/4831' T/4913'
/21/2007	06:00 - 14:30		DRL	1	DRILL F/4913'- T/5045'
	14:30 - 15:00		RIG	2	RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES
	15:00 - 16:30		DRL	1	DRILL F/ 5045' T/5065'
	16:30 - 17:00	0.50	RIG	1	SERVICE RIG
	17:00 - 19:00		DRL	1	DRILL F/5065' T/5071'
	19:00 - 19:30		RIG	2	RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR
	19:30 - 21:00		DRL	1	DRILL F/5071' T/ 5078', MW 9.7, 47 VIS,
	21:00 - 22:30		CIRC	1	CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY
	22:30 - 04:00		TRP	10	P.O.O.H, TRIP OUT FOR BIT
	04:00 - 06:00		TRP	1	L/D & P/U MOTOR & BIT
2/22/2007	06:00 - 07:00	1.00	TRP	1	P/U BHA
	07:00 - 08:30		TRP	10	TRIP IN HOLE TO SHOE
	08:30 - 10:00	1.50	RIG	6	CUT DRILLING LINE
	10:00 - 13:00	3.00	TRP	10	TRIP IN HOLE
	13:00 - 14:00	1.00	REAM	1	WASH TO 30 'TO BOTTOM (BLOW BOTTOM OFF GOOD BEFOR DRLG.) NO FILL
	14:00 - 15:00	1.00	DRL	1	DRILLING F/ 5078 TO 5165 (HELD BOP DRILL 2 MIN,)
	15:00 - 15:30	0.50	RIG	1	RIG SER. & SER. TOP DRIVE, (WORK PIPE RAMS)
	15:30 - 00:30	9.00	DRL	1	DRILLING F/ 5165 TO 5258
	00:30 - 02:00	1.50	RIG	2	RIG REPAIR, WORK ON # RIG PUMP, CHANGE
	02:00 - 04:00	2.00	DRL	1	DRILLING F/5258' T/5323
	04:00 - 04:30	0.50	RIG	2	RIG REPAIR, 1 SUCTION VALVE ON #2 PUMP
	04:30 - 06:00	1.50	DRL	1	DRILLING F/5323' T/5335
2/23/2007	06:00 - 10:30	4.50	DRL	1	DRILLING F/ 5335 TO 5428
	10:30 - 12:00	1.50	RIG	2	TURNED FAN AROUND ON # 1 & # 2 PUMPS
	12:00 - 13:30	1.50	DRL	1	DRILLING F/ 5428 TO 5449
	13:30 - 15:00	1.50	RIG	2	CHANGE SWAB IN # 2 PUMP MIDDLE POT
	15:00 - 06:00	15.00	DRL	1	DRILLI F/ 5449 TO 5570
2/24/2007	06:00 - 10:00		DRL	1	DRILLING F/ 5570 TO 5609
	10:00 - 10:30		RIG	1	RIG SER. , TOP DRIVE SER.
	10:30 - 11:30	1.00	RIG	2	CHANGE LINER , SWAB IN # 2 PUMP BILL WHEEL SIDE
	11:30 - 16:00		DRL	1	DRILLING F/ 5609 TO 5627
	16:00 - 16:30		CIRC	1	CIRC COND FOR TRIP
	16:30 - 17:00		SUR	1	SURVEY @ 5597 .5 DEG 157.6 AZ
	17:00 - 17:30		CIRC	1	PUMP PILL, BLOW KELLY OUT
	17:30 - 23:00		TRP	10	TRIP OUT FOR BIT #9 (HAD TRIP BOP DRILL)
	23:00 - 00:00		TRP	1	CHANGE OUT BITS (CLOSED BLINDS RAMS, OPEN)
	00:00 - 06:00		TRP	10	TRIP IN HOLE
2/25/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE TAGED UP @4785 TITE
	07:00 - 12:00		CIRC	1	WORK TITE HOLE, LOST 130 BBLS MUD, RUN STAND IN 4813
	12:00 - 17:00		RIG	2	CHANGE PUMP ON TOP DRIVE
	17:00 - 17:30		TRP	10	TRIP IN HOLE
	17:30 - 18:00		REAM	1	WASH 60 ' TO BOTTOM
	18:00 - 19:00	1.00		li i	DRILL F/5627 TO 5629
	19:00 - 20:30		RIG	2	WORK ON # 1PUMP SWAB, #1 CHAGER PUMP SWITCH DOWN
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	20:30 - 21:00	0.50	DRL	1	DRILL F/ 5629 TO 5630
	21:00 - 23:00	2.00	RIG	2	CHANGE SEAT,#1 PUMP BULL WHEEL SIDE,CHANGE SWAB MIDDLE
	23:00 - 02:00	3.00	DRL	1	DRILL F/ 5630 TO 5649
	02:00 - 03:00	1.00	CIRC	2	LOST CIRC @ 5649 LOST 300 BBLS.
	03:00 - 04:30	1.50	TRP	2	TRIP OUT HOLE TIGHT @ 4810
	04:30 - 06:00	1.50	REAM	1	BACK REAMING F/ 48 10 TO 4809
2/26/2007	06:00 - 07:00		CIRC	2	LOST CIRC (150 BBLS)
	07:00 - 09:00		TRP	2	TRIP OUT 10 STAND COULDN'T CIRC TRIP TO 4750, BACK REAMING TO 4785
	09:00 - 10:30		TRP	2	TRIP BACK IN HOLE
	10:30 - 12:30		DRL	1	DRILL F/5649 TO 5670
	12:30 - 13:30		CIRC	1	WORK TIGHT HOLE @ 5670 ON CONN.
	13:30 - 23:00		DRL	1	DRILLING F/5670 TO 5732
	23:00 - 00:00		CIRC	1	WORK TIGHT HOLE @ 5732 TO 5642 (3 TIMES HOLE GOOD FREE)
	00:00 - 06:00	6.00	DRL	1	DRILLING 5732 TO (DRILL W/ NO FLUID LOST)
	06:00 -			١.	DDUL NIO 5700 TO 5004
2/27/2007	06:00 - 09:00		DRL	1	DRILLING 5780 TO 5804
	09:00 - 15:00		REAM	1	BACK REAM , JARING UP THROW TIGHT HOLE @ 5803 TO 5700
	15:00 - 15:30	,	RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
	15:30 - 18:00		TRP	2	TRIP OUT HOLE TO 3127 TIGHT
0.000.000	18:00 - 06:00		REAM	1	WORK TIGHT HOLE F/ 3127 TO 3072 (55')
2/28/2007	06:00 - 09:00	3.00	FISH	3	WORKING TIGHT HOLE JARING UP (3272 , 3464 PULLED 1 STD TIGHT AGAIN
	00:00 44:00	F 00	TOD		3400 JARED OUT TO 3369 TRIP OUT HOLE
	09:00 - 14:00		TRP	2	
	14:00 - 17:00		TRP	1	L/D BHA. BIT, MM, JARS, AND STAB TRIP IN HOLE, TIGHT HOLE AT 3257' WORKED PIPE
	17:00 - 22:00		TRP	1	CIRCULATE AND RAISE MUD WEIGHT TO 9.7 AT 3077'
C	22:00 - 02:00		TRP	1	LOST RETURNS PULLED 2 STANDS
	02:00 - 03:00		CIRC	1	PUMP 2 50 LCM PILL AND CIRC
	03:00 - 05:30		TRP		TIH.
3/1/2007	05:30 - 06:00 06:00 - 07:30		TRP	2	TRIP IN HOLE
3/1/2007	07:30 - 08:00		REAM	1	WASHING TO BOTTOM LOST CIRC.
	08:00 - 08:30		TRP	2	TRIP OUT 10 STD.
	08:30 - 10:00		CIRC	1	MIX UP LCM PILL, PUMP
	10:00 - 14:00		CIRC	2	CIRC, BUILD MUD VOLUME
	14:00 - 15:30		TRP	2	TOOH TO 3130' TIGHT HOLE FROM 3250' TO 3130'
	15:30 - 19:00		CIRC	2	CIRC GOOD RETURNS REAM THROUGH TIGHT SPOT, BUILD VOLUME
	19:00 - 21:00		TRP	2	TIH BROKE CIRC EVERY 5 STANDS
	21:00 - 06:00		DRL	1	DRILLING FROM 5804' TO 5889'
3/2/2007	06:00 - 13:00		DRL	i i	DRILLING FROM 5889' TO 5895'
51212UU1	13:00 - 14:00		CIRC	1	PUMP PILL, CHANGE PLAN GO BACK TO DRILLING
	14:00 - 15:30		DRL	ľ	DRILLING NO PROGRESS
	15:30 - 18:00	1	DRL	i	MADE AND PUMPED BIT UNBALLING PILL WHILE ATTEMPTING TO DRILL NO
	.0.00 - 10.00	2.50		Ι΄.	PROGRESS
	18:00 - 00:00	6.00	TRP	10	TOOH TIGHT HOLE AT 5800' BACK REAMED THROUGH TIGHT SPOT AND
					TOOH NO OTHER PROBLEMS
	00:00 - 06:00	6.00	TRP	10	M/U NEW BIT RIH FILLEDPIPE EVERY 6 STANDS AFTER 3200 FOOT
3/3/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE BRAKE CIRC EVERY 5 STAND
	07:00 - 08:00		REAM	1	WASH AND REAM TO 5801'
	08:00 - 10:30		RIG	2	REPAIR MUD PUMPS # 1 CHANGED OUT SWAB AND SEAT # 2 PUMP
					CHANGED OUT SWAB
	10:30 - 11:00	0.50	REAM	1	WASH REAM FROM 5801' TO 5895'
	11:00 - 11:30	0.50	CIRC	1	PUMP 40 BBLS OF UNBALLING PILL
	11:30 - 12:00		DRL	1	DRILLING FROM 5895' TO 5901'
				1	
		l			
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/3/2007	12:00 - 12:30	0.50	RIG	2	REPAIR PUMP # 2 CHANGED SWAB
	12:30 - 03:30	15.00	DRL	1	DRILLING FROM 5901' TO 6014'
	03:30 - 04:00	0.50	RIG	2	REPAIR PUMP #2 CHANGED SWAB
	04:00 - 06:00	2.00	DRL	1	DRILL F/6014' T/ 6041'
3/4/2007	06:00 - 07:00	1.00	RIG	2	REPAIR MUD PUMP # 2 CHANGED SWAB AND VALVE
	07:00 - 08:30	1.50	DRL	1	DRILLING FROM 6041' TO 6067'
	08:30 - 09:30	1.00	REAM	1	TIGHT HOLE WORK PIPE WASHED AND REAMED TIGHT HOLE AT 6000'
	09:30 - 13:00	3.50	DRL	1	DRILLING FROM 6067' TO 6107'
	13:00 - 14:00		CIRC	1	CIRCULATE BOTTOMS UP
	14:00 - 18:30		TRP	14	SHORT TRIP INTO SHOE, SLM
	18:30 - 20:00		RIG	6	SLIP & CUT DRLG. LINE
	20:00 - 23:30		TRP	14	SHORT TRIP TO BOTTOM
	23:30 - 02:00		CIRC	1	CIRCULATE & CONDITION, MIX PILL FOR DRY JOB, FILL TRIP TANK
	02:00 - 02:30		SUR	1	DROP SURVEY TOOL, SURVEY @ 6068'
	02:30 - 03:00		TRP	2	TRIP OUT
	03:00 - 04:00		RIG	2	REPAIR TOP DRIVE HOSE
	04:00 - 06:00		TRP	2	TRIP OUT
3/5/2007	06:00 - 08:00		TRP	2	TOOH, TO RUN 9 5/8 CASING
	08:00 - 09:30		TRP	1	HELD SAFETY MEETING RIG UP LAY DOWN MACHINE
	09:30 - 12:30	3.00	TRP	1	LAYED DOWN 6 5/8 HWDP, 8 " DRILL COLLARS MONEL, AND MOTOR
					RETRIVED SURVEY DEPTH 6068 DEG9 AZI 149
	12:30 - 13:30		ОТН		RETRIVED, WEAR BUSHING
	13:30 - 15:00	1.50	CSG	1	HELD SAFETY MEETING RIGGING UP CASING CREW, FILL UP TOOL, AND
					STABING BOARD
	15:00 - 03:00	12.00	CSG	2	RUN 140 JTS, 9 5/8 CASING 47#/FT, HCP-110, LT&C
03:00	03:00 - 03:30	0.50	CIRC	1	CIRCULATE & CONDITION, LOST CIRCULATION @ 3300', 55 STKS 194GPM,
					MW-9.8, VIS 43, 7% LCM
	03:30 - 04:30		CMT	1	R/U HALLIBURTON TO CEMENT, SAFETY MEETING
	04:30 - 06:00	1.50	CMT	2	CEMENTING 9 5/8 CASING
3/6/2007	06:00 - 09:30	3.50	CMT	2	CEMENTING
					LEAD- 842 SK, CBM- LIGHT, 10.5 PPG, YIELD 4.14, F/ 3000' T/5100'
					TAIL- 585 SK, 50- 50 POZ, 14.35 PPG, YIELD 1.25, F/5100' T/ 6100'
					BUMPED PLUG- @ 9AM 3-5-07, FLOAT HELD @ 3000PSI, RELEASED
			Ì		PRESSURE
	09:30 - 10:00	0.50	BOP	1	FINISH N/D BOP AND FLOW LINE
	10:00 - 12:00	2.00	CSG	7	SET SLIPS, CAMERON ROUGH CUT CASING, SET @ 280K
	12:00 - 14:00	2.00	ВОР	1	4 BOLT BOP TO L/D DRILL PIPE
	14:00 - 15:00	1.00	CSG	1	L/D & CHANGE OUT ELEVATORS & BAILS
	15:00 - 18:00	3.00	TRP	2	TRIP IN TO L/D DRILL PIPE, INSTALL ROTATING HEAD RUBBER
	18:00 - 20:00	2.00	TRP	3	R/U L/D MACHINE & LAY DOWN PIPE
	20:00 - 21:30		TRP	2	TRIP IN HOLE
	21:30 - 01:30	4.00	TRP	3	LAY DOWN DRILL PIPE, RIG DOWN L/D TRUCK
	01:30 - 06:00		BOP	1	N/D BOP
3/7/2007	06:00 - 07:00		BOP	1	FINISH NIPPLE DOWN STACK
	07:00 - 18:00	11.00		7	FINISH CLEANING PITS, LAY DOWN TESCO TOP DRIVE, INSTALL B SECTION
					& NITE CAP, LOADING OUT RENTALS
3/8/2007	06:00 - 18:00	12.00	LOC	4	CLEAN TANKS, RIG DOWN & LOAD OUT TOP DRIVE & RENTALS
3/9/2007	07:00 - 18:00	11.00		4	LOAD OUT RENTALS, INSPECTING DRILL PIPE
3/10/2007	07:00 - 18:00	11.00		4	INSPECTING DRILL PIPE 233 JTS.
3/11/2007	07:00 - 18:00	11.00		4	PREPARING TO MOVE, FINISH INSPECTING DRILL PIPE 349 JTS. 3 BENT JTS.
3/12/2007	08:00 - 18:00	10.00		4	LAY DERRICK DOWN, LOAD OUT 7 TRUCKS
4/1/2007	06:00 - 18:00	12.00		3	ENSIGN 24-RIG DOWN AND MOVE CAMPS TO LOCATION/RIG UP SAME,
2001	3,55	50		-	HAUL TUBULARS IN, OTHER LOCATION 60% RIGGED DOWN AND 40% OFF
					. ,
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/1/2007	06:00 - 18:00	12.00		3	LOCATION (BACK YARD IS MOVED OUT)/HARD BANDING BHA/HAVE 4 LOADS OF TUBULARS STILL ON OLD LOCATION.
	18:00 - 06:00	12.00			WAIT ON DAYLIGHT
1/2/2007	06:00 - 18:00	12.00		4	RIG DOWN DERRICK, SUB, MOTOR PACKAGE, 100% RIGGED DOWN AND 100% OFF OLD LOCATION, SET MATTING BOARDS AND BOTTOM SUB, ALL 6" BHA IS HARD BANDED, (RING GROOVE ON SINGLE GATE HAS STUD MARKINGS-FLARED OUTY MONTORING BACK SIDE-GAINING250 EVERY HALF HOUR AND BLEEDING IT OFF.
	18:00 - 06:00	12.00		ŀ	WAIT ON DAYLIGHT
4/3/2007	06:00 - 18:00	12.00		4	SET IN SUBS, MOTOR PACKAGE, MUD TANKS, PUMPS, HOPPER HOUSE, PUT DERRICK TOGETHER, LIGHT PLANT, MUD CLEANING EQUIPMENT, BAR HOPPERS, PREMIX TANK 80% SET IN 25% RIGGED UP, BLEEDING PRESSURE OFF OF LAST WELL EVERY HALF HOUR UNTIL 1900-LETTING PRESSURE BUILD WHILE MONITORING.NOT TO EXCEED 5,000 PSI
	18:00 - 06:00	12.00			WAIT ON DAY LIGHT/ LETTING WELL BUILD UP PRESSURE
4/4/2007	06:00 - 18:00	12.00		4	GET DERRICK READY AND PUT ON FLOOR, PUT COMPOUND TOGHETHER, SET IN GAS BUSTER LINES/EQUIPMENT, DIESEL TANKS, FIRE LIGHT PLANT, WELD HOLES IN MUD TANKS (BAD SHAPE), STRING CORDS, HOOKING UP LINES/PUMP SHED AND BACK YARD. STRING UP DERRICK (LOAED OUT 105 JT'S DRILL PIPE 4" XT 39 TO RIG 236)
	18:00 - 06:00	12.00		4	WAIT ON DAY LIGHT
4/5/2007	06:00 - 18:00	12.00		4	BROKE TOUR TODAY, INSPECT DERRICK TO RAISE AND RAISE DERRICK, RIG UP FLOOR TUGGER AND INSTAL HAND RAILS, UNBRIDLE, LAY DOWN PART OF TRACK THAT WAS BENT FROM LAST WELL, SET IN YELLOW DOG, FILL PITS WITH WATER, CHANGING OIL IN MUD PUMP, HOOK UP STAND PIPE, THERE WAS HANDS STANDING AROUND WATCHING OTHER HANDS ON A JOB THAT SHOULD ONLY TAKE TWO HANDS TO DO. GOT WITH PUSHER AND TOLD HIM THAT HE NEED TO SEPARATE HANDS, ONTO DIFFERENT TASK'S. SO HE STARTED SEPARATING THE HANDS AND PUTTING THEM ON DIFFERNT TASK'S.
	18:00 - 06:00	12.00	LOC	4	RIG UP WET SYSTEM ON BAR HOPPER'S, HOOK UP CHOKE LINE, KILL LINE, CHANGE SWABS, LINERS (SHORT TWO BE HERE THIS AM) RIG UP RETURN LINE ON GAS BUSTER, DRESS SHAKER'S, PUT CULVERT IN FOR MOUSE HOLE
4/6/2007	06:00 - 18:00	12.00	LOC	4	STACK ANNULAR, ROTATING HEAD, CHANGE LINERS/CHANGED PONY ROD SEAL'S IN #1 PUMP, PICK UP TOP DRIVE RAIL AND CENTER RAIL TIGHTEN TURN BUCKLES, INSTALL LANDING AROUND BOPE, PUT IN MOUSE HOLES-HAD PROBLEMS GETTING THE FRONT ONE IN BUT MANAGED TO, (NOTIFIED STONY WITH BLM THAT WE'LL BE TESTING IN THE NEXT 24HR.S), PICK UP SWIVEL, BIULT TROUGH ON BACK SIDE OF PITS TO DIVERT FLUID TO RESERVE PIT.
	18:00 - 06:00	12.00	LOC	4	PICK UP NEW TOP DRIVE (OLD ONE UP FOR SERVICE) HOOK UP TORQUE TUBE GUIDE (DON'T HAVE THE RIGHT CONNECTION BETWEEN SWIVEL AND TOP DRIVE (TOP DRIVE HAS NC 61 THREAD INSTEAD OF A 6 5/8 REG) RUN TOP DRIVE HOSES FIRE UP UNIT AND HOSES LEAKING EVERY WHERE IN NEW TOP DRIVE (NEW TOP DRIVE HAND FIRST TIME RIGGING UP BY HIM SELF-LITTLE LOST), FINALY FINISHED LINERS IN PUMPS, FLOW LINE OFF 5" (WELDER ON HIS WAY).
4/7/2007	06:00 - 09:00	3.00	LOC	4	CHANGED VALVE IN FLOW LINE, WELD FLOW LINE, LAY OUT AND MAKE UP FLARE LINES, WORK ON SMALL LEAK'S IN GUN LINES, READY TO PRESSURE TEST @ 900AM
	1	l	отн		WORKING ON TOP DRIVE (NEW HAND THAT IT WAS HIS FIRST TIME

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/7/2007	09:00 - 06:00	21.00	отн		DIDN'T KNOW WHAT WAS WRONG, JOHN THE HAND THATS BEEN SITTING ON THIS RIG SHOWED UP TODAY AND SUPT. BILL AND ANOTHER HAND. THEY TESTED LINES AND FOUND CHECK VALVE BAD AND SEALS BLOWN IN TOP DRIVE, PULL MOTORS AND REPLACE SEALS
	06:00 - 10:00	4.00	отн		WORK ON TOP DRIVE, FINISH PUTTING IN MOTOR AND TEST LINES AND OPERATIONS OF UNIT ALL WORKING CORRECTLY (TORQUE ALL CONNECTION'S)
	10:00 - 14:00	4.00	вор	1	IPS TIGHTENED CONNECTIONS ON BOPE
	14:00 - 00:00	10.00		2	RIG UP AND PRESSURE TEST TOP DRIVE DOUBLE BALL VALVE DIDN'T TEST CHANGED DOUBLE BALL VALVE AND IT DIDN'T TEST, TEST THIRD VALVE TEST TIW, DART VALVE, BLIND, UPPER AND LOWER PIPES, CHOKE MANIFOLD AND HCR 10 MIN LOW 250 PSI HIGH 10,000 PSI ANNULAR 10 MIN LOW 250 PSI HIGH 5000 PSI,BLM WAS NOTIFIED BY MESSAGE ON PHONE (BLM WAS NOT PRESENT FOR TEST) WHILE TESTING MUDDING UP SURFACE SYSTEM
	00:00 - 05:00	5.00	RIG	2	CLEAN RIG FLOOR OF OIL AND REPLACE DRIVE CHAIN ON DRAWWORKS
	05:00 - 06:00		отн		INSTALL WEAR BUSHING/ WHEN ISTALLING DRILLER TOLD MOTOR HAND TO MAKE SURE KOOMY LEVERS WHERE IN THE OPEN POSTION, BUT THE HCR, WHEN I DISCOVERED THE PROBLEM ALL KOOMY LEVERS WHERE IN THE OPEN POSTION BUT THE ANNULAR IT WAS SHUT
4/9/2007	06:00 - 07:00	1.00	отн		INSTALL WEAR BUSHING, COULDN'T COME OUT OF THE HOLE WITH WEAR BUSHING, LOOK OVER EQUIPMENT AND HYDRILL WAS SHUT, DRILLER TOLD HAND TO OPEN EVERY THING BUT TO SHUT HCR VALVE, HE SHUT THE WRONG VALVE, I DISCUSSED WITH DRILLER AND HANDS NOT TO BE OPERATING FUNTIONS WHILE INSTALLING WEAR BUSHING.
	07:00 - 08:00	1.00	TRP	1	RIG UP LAY DOWN TRUCK, TO PICK UP DRILL PIPE
	08:00 - 08:30	0.50	RIG	2	REPLACE MAKE UP SIDE CABLE, BROKE WHEN MAKING UP BIT
	08:30 - 15:00	6.50	TRP	1	RIG UP LAY DOWN MACHINE AND PICK UP BHA AND 3260' OF 5" DRILL PIPE, TAGGED EARLY AT 4460'/ THAT IS 1539' ABOVE THE FLOAT SHOE
	15:00 - 16:00		CSG	1	RIG DOWN LAY DOWN TRUCK
	16:00 - 17:00	1.00	отн		FILE UNION STARTER THREAD (IT CAME FROM THE REPAIR SHOP WITH OUT ANY PROTECTION ON IT) AND PICK UP KELLY HOSE AND PUT ON SWIVEL
	17:00 - 18:30	1.50	RIG	2	WORK ON AIR LINES BETWEEN MOTOR SHED'S/ SOME CROSSED LINES WHEN #3 MOTOR CLUTCH KICKS IN #2 PUMP COMES ON LINE/ WHEN KICK IN #2 PUMP ENGINE'S THOTTLE UP
	18:30 - 19:30	1.00	CIRC	1	FILL PIPE PRESSURED UP AND NO CIRCULATION
	19:30 - 22:00		TRP	2	TRIP OUT OF HOLE (WET)
	22:00 - 23:30	1.50	отн		CLEAN RIG FLOOR AFTER WET TRIP AND DRIED MUD FROM DRILL PIPE PACK OFF ON TOP OF MUD MOTOR AND FIRST IBS, BREAK BIT AND CLEAN OUT PLUG JETS (PLUGGED WITH CEMENT)
	23:30 - 00:00	0.50	TRP	2	TRIP IN FIRST STAND AND STAND WITH X-OVER AND PUMP TO SEE IF MOTOR WAS CLEAN (MOTOR WAS GOOD)
	00:00 - 01:30	1.50	TRP	2	TRIP INTO HOLE TO DRILL OUT CEMENT, BREAK CIRC AFTER BHA
	01:30 - 02:00		отн		CHANGE GRABBER DIES IN TOP DRIVE
	02:00 - 03:00		TRP	2	TRIP IN 3 ROWS
	03:00 - 04:00		ОТН		INSTALL ROTATING HEAD RUBBER
	04:00 - 04:30		RIG	2	WORK ON SWIVEL PACKING (LEAKING HAD TO HAMMER UP)
	04:30 - 05:00		CIRC	1	BREAK CIRCULATION
	05:00 - 05:30		TRP	2	TRIP IN 3 STANDS
4/10/2007	05:30 - 06:00 06:00 - 10:00		REAM REAM	1	WASHING AND REAMING CEMENT IN CASING FROM 4460 TO 4501 DRILLING CEMENT FROM 4,501 TO 5251 (CEMENT WIPER PLUG WAS @4540) CEMENT COMING OVER SHAKERS CLUMPY 1/2-1" CHUNKS (HARD)

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/10/2007	10:00 - 11:00 11:00 - 20:00		RIG OTH	1	RIG SERVICE GREASE TOP DRIVE AND DRAW TOOL, COMPOUND DRILL CEMENT FROM 5251 TO 6120 @ 5715 SANDY CEMENT STARTED COMING OVER SHAKERS (SOFT)
	20:00 - 20:30	0.50	CIRC	1	CIRCULATE HOLE CLEAN FOR FIT TEST
	20:30 - 21:00		OTH	'	PERFORM FIT WITH 8.8 MUD WT 850 PSI = EQUIV. 11.5 MUD WT WITH B & C
	20.30 - 21.00	0.50			QUICK TEST
	21:00 - 01:00	4.00	DRL	1	DRILLING FROM 6120 TO 6241 (ROP 30.25)
	01:00 - 02:30	1.50	RIG	2	WORK ON #1- ROD CLAMP AND #2 PUMP- COULDN'T GET TO PUMP AIRED UP/ WENT THROUGH PUMP TO SEE IF THERE WAS SOMING UNDER VALVE COULDN'T FIND ANYTHING
	02:30 - 06:00	3.50	DRL	1	DRILLING FROM 6241 TO 6295 (ROP 15.4)
4/11/2007	06:00 - 14:30	8.50	DRL	1	DRILL FROM 6295 TO 6474 (ROP 21' HR.) (10-15 WOB, 50 TABLE, PUMPING BIT UNBALLING SWEEP'S WHEN NEEDED AND TRICKLE NUT SHELL OVER SUCTION IN TANK, ALSO ON CONNECTIONS DROPPING SOAP STICKS AND SAPP/ SOFT GUMMY CLAY COMING OVER SHAKERS)
	14:30 - 15:30	1.00	RIG	1	SERVICE RIG
	15:30 - 06:00	14.50		1	DRILL FROM 6474 TO 6775 (ROP 20.75' HR)
	06:00 - 09:30	3.50	DRL	1	DRILLING FROM 6775 - 6850', 75', 21.42 FPH, 19K WOB, 92 RPM DOWM HOLE, 50 RPM ON SURFACE. HELD STAND DOWN SAFETY MEETING ON 3 ACCIDENTS ON QEP LOCATIONS.
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS
110	10:30 - 14:30	4.00	DRL	1	DRILL 6850' - 6945', 95', 23.75 FPH, 19K WOB, 92 RPM DH, 50 RPM ON SURFACE. PUMPING LCM & BIT BALLNG SWEEPS AS NEEDED. CEMENTED BASE PLATE ON WELL HEAD W/ 5 YDS OF REDIMIX FROM PETE MARTIN.
	14:30 - 15:30	1.00	SUR	1	WIRELINE SURVEY @ 6874', .5 DEG. @ 147.4
	15:30 - 06:00	14.50		1	DRILL 6945' - 7351', 406', 28 FPH, WOB 15-20K, 92 RPM DOWN HOLE, 50 RPM ON SURFACE, STILL PUMPING LCM & BIT BALLING SWEEPS AS NEEDED. TOTAL LOSSES TODAY 200 BBL.
4/13/2007	06:00 - 12:00	6.00	DRL	1	DRILL 7351' - 7508', 157', 26.16 FPH, WOB 15-20K, 92 RPM DOWN HOLE, 50 RPM ON MOTOR. SLIGHT BIT BALLING, NO NOTICEABLE LOSSES SO FAR ITODAY.
	12:00 - 13:00	1.00	SUR	1	WIRELINE SURVEY @ 7438', .6 DEG. 202.
	13:00 - 16:30		DRL	i	DRILL 7508' - 7603', 95', 27.14 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE, 91 DOWN HOLE.
	46.20 47.20	4.00	DIC		SERVICE RIG & TOP DRIVE
	16:30 - 17:30 17:30 - 06:00	1.00	RIG DRL	1	DRILL 7603' - 7905', 302', 24.16 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE, 191 DOWN HOLE. TOTAL LOSSES TODAY 125 BBL. SLIGHT SEEPAGE HOLE IN
4/14/2007	06:00 - 09:00	3.00	DRL	1	GOOD CONDITION. ONLY SMALL SLOUGH & VERY LITTLE OF THAT. DRILL 7905' - 7983', 78', 26 FPH. WOB 15-20K, RPM 141, 50 ON SURFACE & 91
					DOWN HOLE. MINIMAL SEEPAGE, NO INCREASE IN SLOUGH.
	09:00 - 10:00		RIG	1	SERVICE RIG & TOP DRIVE
	10:00 - 15:00	5.00	DRL	1	DRILL 7983' - 8076', 93', 18.6 FPH, WOB 15-21K, RPM 50 ON SURFACE, 91 DOWN HOLE. TOTAL LOSSES TO TRIP = 185 BBL, SEEPAGE & DUMPING SAND TRAPS.
	15:00 - 19:30	4.50	TRP	10	PUMP PILL & TOH W/ BIT #13.
	19:30 - 20:30		TRP	10	BREAK OFF BIT, PU NEW BIT, FUNCTION BLIND RAMS
	20:30 - 00:00	3.50	TRP	10	TIH W/ BIT #14, CHANGE OUT CORROSION RING. GOOD TRIP.
	00:00 - 00:30	0.50	REAM	1	W&R 90' TO BOTTOM, 10' OF FILL, LOST 30 BBL ON TRIP. 10 BBL OF IT WET PIPE.
	00:30 - 06:00	5.50	DRL	1	PIPE. DRILL 8076' - 8280', 204', 37.09 FPH, WOB 11-15K, RPM 141, 50 ON SURFACE, 91 DOWN HOLE. VERY SLIGHT SEEPAGE.
	06:00 - 10:30	4.50	DRL	1	DRILL 8280' - 8453', 173', 38.44 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE &

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/15/2007	06:00 - 10:30		DRL	1	SLOUGH.
	10:30 - 11:30		RIG	1	SERVICE RIG & TOP DRIVE. FUNCTION LOWER PIPE RAMS.
	11:30 - 06:00	18.50	DRL	1	DRILL 8453' - 8818', 365', 19.72 FPH, WOB 15-20k, RPM 141, 50 ON SURFACE,
					91 DOWN HOLE. PUMPING BIT BALLING SWEEPS @ 1/2 - 1 HR INTERVALS SOME TIMES IT HELPS BUT ONLY FOR 3-4'. VERY SLIGHT SEEPAGE LAST 24
					HRS.
4/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL 8818' - 8932', 114', 28.5 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE,
4/10/2007	00.00 - 10.00	4.00	DIC	'	91 DOWNHOLE, STILL PUMPING BIT BALLING SWEEPS @ 1/2 - 1 HR
				INTREVALS, SEEPAGE MINIMAL	
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION ANNULAR & CHECK CROWN-O-MATIC
	11:00 - 06:00	19.00		1	DRILL 8932' - 9511', 579', 30.47 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
				Ì	100 DOWN HOLE INCREASED PUMPS TO 418 GPM. VERY SLIGHT SEEPAGE.
4/17/2007	06:00 - 09:30	3.50	DRL	1	DRILL 9511' - 9608', 97', 27.71 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
					100 DOWN HOLE. BIT JUST KEEPS HANGING IN. SEEPAGE MINIMAL.
	09:30 - 10:00		RIG	2	CHANGE FILTER ON CHAIN OILER ON COMPOUND.
	10:00 - 12:30	2.50	DRL	1	DRILL 9608' - 9704', 96', 38.4 FPH, WOB 15-20K, RPM 150, 50 ON SURVACE,100
	40.00 40.00	4.00	DIC.	1.	DOWN HOLE SERVICE RIG & TOP DRIVE, ADJUST BRAKES, ADD SAFETY CHAINS TO BALE
12:30 - 13:30	1.00	RIG	1	EXTENSION, & FUNCTION LOWER PIPE RAMS.	
	13:30 - 06:00	16.50	DBI	1	DRILL 9704' - 10200, 496', 30.06 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
13:30 - 06:0	13.30 - 00.00	10.50	DKL	1'	100 DOWN HOLE, HOLE TAKING A LITTLE MORE FLUID THE LAST 3 HRS,
					ABOUT 10 BBL. PUMPED 10% LCM SWEEP, STILL PUMPING BIT BALLING
				İ	SWEEP EVERY HALF HR SINCE 22:00. FIRST TIGHT CONN @ 10181' ABOUT
					25K OVER. REAMED BACK THROUGH IT AND DIDN'T SEE IT.
4/18/2007 06:00 - 09:30	06:00 - 09:30	3.50	DRL	1	DRILL 10200' - 10342', 142', 40.6 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
.,					100 DOWN HOLE, TRIPPING BIT ON HOURS ONLY.
	09:30 - 10:30	1.00	CIRC	1	CIRC BOTTOMS UP.
	10:30 - 11:00	0.50			DROP SURVEY @ 10362' .6 202, SAME AS LAST SURVEY. DRILLER CHECKED
					SURVEY. WHEN I CHECKED IT IT WAS 89.6 @ 68.9, POSSIBLE MIS-RUN. I
	11.00 10.00	7.00	TRP	10	THINK IT TOOK A SURVEY ON THE BENCH, BUT CAN'T TELL FOR SURE. PUMP PILL, TOH W/ BIT #14, PULL ROTATING HEAD RUBBER, BREAK OFF
	11:00 - 18:00	7.00	IRP	'0	BIT. LD MUD MOTOR.
	18:00 - 19:00	1.00	TRP	10	PU NEW BIT # 15, NEW MOTOR, & TIH TO JARS. JARS HAD TOP SEAL OUT OF
	10.00 10.00	1.00		."	MANDREL, LD JARS. #1 4/17/07
	19:00 - 20:00	1.00	RIG	6	SLIP & CUT DRILLING LINE, 180'
	20:00 - 21:00	1.00	RIG	1	SERVICE RIG, TOP DRIVE, & FUNCTION ANNULAR
	21:00 - 22:00		WOT	5	WO, STRAP & PU JARS. #2 4/17/07
	22:00 - 03:30	5.50	TRP	10	TIH, BREAK CIRC AT BHA, & EA. 3 ROWS TO BOTTOM 1 STAND OFF BOTTOM
			l	1_	TIGHT, PACKED OFF.
	03:30 - 05:00	1.50	FISH	6	WORK TIGHT HOLE, SET OFF JARS 3 TIMES EASY, FOUND FREE SPOT,
	05.00.00.55		DE	1.	BREAK CRC. BACK REAM OUT TO 10208'
4140/0007	05:00 - 06:00		REAM	1	W&R 10208' - 10300' W&R 10300' - 10342, 36' OF FILL,LOTS OF PRESSURED SLOUGH BUT
4/19/2007	06:00 - 07:00	1.00	REAM	1	NOTHING LARGE.
	07:00 - 12:00	5.00	DRL	1	DRILL 10342' - 10541', 199', 39.8 FPH, WOB 15-20K, RPM 124, 65 ON SURFACE,
	07.00 - 12.00	3.00		1'	59 DOWN HOLE, NO NOTICABLE SEEPAGE TO THIS POINT, BOP DRILL.
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION PIPE RAMS
	13:00 -		DRL	1	DRILL 10541' - 11060, 519', 30.52 FPH, WOB 15-20K, RPM 110, 50 ON
					SURFACE, 60 DOWN HOLE, NO NOTICEABLE SEEPAGE LAST 24
					HRS.PUMPING BIT BALLING SWEEPS IN SLOW DRILLING SPOTS.
4/20/2007	06:00 - 10:30	4.50	DRL	1	DRILL 11060' - 11207', 147', 32.66 FPH, WOB 15 - 20K, RPM 110, 50 ON
					SURFACE, 60 DOWN HOLE, NO NOTICEABLE SEEPAGE TO THIS POINT.
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
	10:30 - 11:30 11:30 - 14:00		RIG DRL	1	SERVICE RIG & TOP DRIVE, FUNCTION ANNULAR, ADJUST BRAKES. DRILL 10207' - 11301', 94', 37.6 FPH, WOB 15-20, RPM 100, 50 ON SURFACE, 60 DOWN HOLE, TOP DRIVE WILL NOT TURN OVER 50 RPM ON SURFACE. IT WILL TURN 70 OFF BOTTOM BUT FALLS TO 50 WHEN YOU PUT IT ON BOTTOM.
	14:00 - 18:00	4.00	RIG	8	REPLACE AIR VALVE & LINDE PUMP ON TOP DRIVE.
	18:00 - 05:00	11.00		1	DRILL 11301' - 11488', 187', 17 FPH, WOB 15-20K, RPM 120, 60 DOWN HOLE, 60 ON SURFACE. HOLE STARTED TAKING FLIUD @ 11380', SHOW 11382' - 11400' 600u, 6637u, 3800u. TRIED TO GO THROUGH BUSTER BUT ROTATING HEAD LEAKING BAD.
	05:00 - 06:00	1.00	RIG	4	CHANGE OUT ROTATING HEAD, SEAL GONE WHEN WE PULLED HEAD, DON'T THINK ONE WAS INSTALLED AFTER LAST TRIP.
4/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL 11488' - 11561', 73', 24.33 FPH, WOB 15-20K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. ROTATIG HEAD LOCKED UP, WORE RUBBER OUT.
	09:00 - 10:00	1.00	RIG	4	CHANGE OUT ROTATING HEAD RUBBERS.
	10:00 - 13:00	3.00	DRL	1	DRILL 11561' - 11614', 53', 17.66 FPH, WOB 15-20K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. LOSSES SEEM TO BE SLOWING.
	13:00 - 14:00		RIG	1	SERVICE RIG & TOP DRIVE.
14:00 - 00:	14:00 - 00:30	10.50	DRL	1	DRILL 11614' - 11724 110',10.47 FPH, WOB 20-25K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. LOOSING ABOUT 2-4 BBL HR OF FLUID, RAISING MW TO CONTROL GAS, DRILLING FLARE 15-25', CONN FLARE 35'
	00:30 - 06:00	5.50	CIRC	1	DRILLING SLOWED TO 4 FPH, SHUT DOWN TO RAISE MW F/ BIT TRIP. BBG THROUGH BUSTER 1500 - 2500u MW 10.2, HEADED F/ 10.4. BYPASSED SHAKERS TO KEEP LCM IN SYSTEM.
4/22/2007 06:0	06:00 - 23:30	17.50	CIRC	1	C&C F/ BIT TRIP. MW HEADED F/ 10.2 - 10.8. GAS @ 10.8 IS STILL 725u THROUGH THE BUSTER, SPOTTED 160 BBL OF 12.2PPG MUD ON BOTTOM. ESTIMATE TOP OF PILL @ 9981'
	23:30 - 01:00	1.50	TRP	10	TOH 22 STANDS SLOW & WET. TO 9653', GAINED 8 BBL OF FLUID PULLING 22 ISTANDS.
	01:00 - 04:00	3.00	CIRC	1	CIRC BOTTOMS UP TO CLEAN UP GAS, GAS ON BUSTER 650u. MIXED PILL WHILE CIRC.
	04:00 - 06:00		CIRC	1	CHECK F/ FLOW, FLOWING 1/2" STREAM, RAISING MW TO 11.0 PPG.
4/23/2007	06:00 - 00:00		CIRC	1	C&C, RAISING MW F/ 10.8 - 11.8, HAD 11.7 COMMING BACK & LOST COMPLETE RETURNS @ 23:49 LCM 12%
	00:00 - 01:00		CIRC	2	MIXING LCM & MUD, LETTING MW DROP BACK TO 11.7 BRINGING LCM TO 15%
	01:00 - 06:00	5.00	CIRC	1	C&C, BUILD VOLUME, WT @ 11.7, LCM @ 20%, LOSSES @ 17 BPH, SEEM TO BE SLOWING A LITTLE, AROUND 7 BPH AS NEAR AS I CAN TELL AT THIS TIME.
4/24/2007	06:00 - 13:30	7.50	CIRC	1	C&C, MIXING MUD & BUILD VOLUME. CHECKED FLOW @ 08:00, NO FLOW. C&C BUILD PREMIX, GUN LINES PLUGGED OFF, & BAR HOPPER @ PREMIX PLUGGING @ 4X3" SAWGE. CHECKED F/ FLOW @ 11:15, FLOWING 1" STREAM & SURGING TO 4"-6" STREAM FIRST TIME WE HAVE SEEN THIS SURGING. TAKING PREMIX TO 12.2 PPG W/ 30% LCM.
	13:30 - 14:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION HCR VALVE, CHECK FLOW, NO FLOW. 11.8PPG MW.
	14:00 - 18:00	4.00	CIRC	1	C&C, BUILD PREMIX, 12.2 PPG MW, 30% LCM & SPOT F/ 9653' - 6745' CALCULATED OH.
	18:00 - 03:30	9.50	TRP	10	TOH TO 6107', PUMP TRIP PILL. CONTINUE W/ SLOW TOH, LD BIT & MOTOR. NO LOSSES ON TOH.
	03:30 - 06:00	2.50	TRP	10	PU HUNTING .22 MOTOR SN 6142 , DOG SUB, HTC 406Z BIT SN 7301750 BIT #16, & TIH SLOW
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/25/2007	06:00 - 08:30		TRP	10	TIH SLOW, BREAK CIRC EVERY 3 ROWS TO SHOE
	08:30 - 09:00		TRP	10	CHANGE OUT ROTATING HEAD
	09:00 - 10:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ THE SHOE, GAS PEAKED @ 4899u, 10-15' FLARE.
	10:00 - 16:00	6.00	TRP	10	TIH CIRCULATING BOTTOMS UP EVERY ROW , BOTTOMS UP FLARE ON LAST ROW 40 +' 44 BBL GAIN.
	16:00 - 17:00	1.00	REAM	1	W&R 470' TO BOTTOM, 36' OF FILL BOTTOMS UP FLARE 50', GAINED 55 BBL.
	17:00 - 18:00		CIRC	1	CIRC OUT GAS.
1/06/0007	18:00 - 06:00	12.00	DRL	1	DRILL 11724' - 11839', 115', WOB 18-25K, RPM 142, 92 DOWN HOLE, 50 ON SURFACE NO LOSSES THIS MORNING. MW 12.0, LCM 25% STILL BY PASSING SHAKERS.
	06:00 - 12:30	6.50	DRL	1	DRILL 11839' - 11867', 28',4.3 FPH, WOB 25K, RPM 142, 92 DOWN HOLE, 50 ON SURFACE. PLAYED W/ RPM & WOB BUT THATS ALL WE COULD GET OUT OF THIS BIT.
	12:30 - 13:30	1.00	SUR	1	DROP SURVEY @ 11797' (MISS RUN)
	13:30 - 14:30		CIRC	1	CIRC & FINISH MIXING TRIP PILL.
	14:30 - 18:00		TRP	10	TRIP OUT OF HOLE SLOW
	18:00 - 21:00	3.00	TRP	1	TRIP OUT OF HOLE
	21:00 - 21:30	0.50	TRP	1	CHANGE OUT BIT'S/ RETREIVE SURVEY/ FUNTION TEST BLINDS AND PIPE RAMS
	21:30 - 02:00	4.50	TRP	10	TRIP IN HOLE TO SHOE, FILL EVERY 3 ROWS, INSTALL ROT. RUBBER
	02:00 - 02:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 110 PEAK GAS
	02:30 - 05:30	3.00	TRP	10	TRIP IN HOLE FILL PIPE AND BREAK CIRCULATION 8785,10,794
	05:30 - 06:00	0.50	CIRC	1	CIRCULATE/ WASH @ 10,794
/27/2007	06:00 - 07:00	1.00	TRP	10	TRIP IN HOLE TO 11744
	07:00 - 08:00	1.00	REAM	1	WASH AND REAM FROM 11,744 TO 11,867 25 FT FILL
	08:00 - 13:00		DRL	1	DRILL FROM 11,867 TO 11,924 (ROP 11.4) (STARTED SHAKIING OUT LCM SLOWLY OVER 1 SHAKER @ 10:30 am) MW 11.7/GAS 180 UNIT'S/ ON CONNECTION WORKED THROUGH TIGHT SPOT @ 11,890 UP TO 11,870
	13:00 - 14:00		RIG	1	RIG SERVICE (SERVICE TOP DRIVE, COMPOUND)
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11,924 TO 11,965 (ROP 10.25 FT HR)
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11,965 TO 12,076 (ROP 9.25 FT HR) SLOWWED TO 4-5 FT HR FROM 11,975-12,003
/28/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 12,076 TO 12,209 (ROP 19 FT HR) SHAKING LCM OUT DOWN TO 8-10% WOB 10-15, DHRPM 142, STARTED SEEPING WHEN WT UP TO 11.7+,
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG, TOP DRIVE, (REPLACE QUIK RELEASE ON #1 MOTOR CLUTCH)
	14:00 - 18:30	4.50	DRL	1	DRILL FROM 12,209 TO 12,256 (ROP 10.4 FT HR) HIT BLACK HAWK SAND TOOK KICK
	18:30 - 02:30	8.00	CIRC	1	CIRCULATE THROUGH CHOKE WEIGHTING UP MUD SLOWLY 1-2 POINTS A CIRCULATION NOT WANTING TO KNOCK THE BOTTOM OUT/ BRING UP LCM TO 20%-25%
	02:30 - 06:00	3.50	CIRC	2	STARTED LOSSING CIRCULATION WHEN MUD WEIGHT REACHED 12.3 PPG,SLOWWED PUMP DOWN AND PUMP HI LCM SWEEP,
/29/2007	06:00 - 02:30	20.50	CIRC	2	FIGHT LOST CIRCULATION, PIPES SHUTIN AND GAS SOMETIMES OVER 3000 UNIT'S, PUMPING LCM SWEEPS EVERY HALF HOUR AND BRINGING MUD WEIGHT UP 1 POINT PER CIRCULATION WHILE GOING THROUGH CHOKE,
	02:30 - 06:00	3.50	DRL	1	DRILL FROM 12,256 TO 12,285 (ROP 8.25 FT HR) BRING WT UP TO CONTROL BACK GROUND GAS
/30/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 12,285 TO 12,303 (ROP 9 FT HR.) 2-3 BBL LOSS 25-28% LCM,
	08:00 - 09:00		RIG	1	SERVICE RIG AND TOP DRIVE, COMPOUND, BLOCKS
	09:00 - 06:00	21.00		1	DRILL FROM 12,303 TO 12,471' (ROP 8' FT. HR.) 2-3 BBLS LOSS
/1/2007	06:00 - 08:00		DRL	1	DRILL FROM 12,470 TO 12,490 (ROP 10' HR) MW 12.7/WOB 20-25/ DHRPM 130
			l	<u> </u>	Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/1/2007	06:00 - 08:00	2.00	DRL	1	SHAKE LCM OUT TO 10% LCM IN SYSTEM
	08:00 - 21:00	13.00	RIG	2	REPAIR RIG/MASTER CLUTCH BOOT HAS HOLE IN IT, (NEW ONE COMING
				1	FROM CASPER AND TWO MECHANICS)
	21:00 - 06:00	9.00	DRL	1	DRILL FROM 12,490 TO 12,600 (ROP 12.2 HR) MW 12.7/WOB 20-25/DHRPM 130
/2/2007	06:00 - 08:30	2.50	DRL	1	DRILL FROM 12,600 TO 12,612 (ROP 4.8 FT HR)
	08:30 - 10:30	2.00	CIRC	7	CIRCULATE BOTTOMS UP FOR SAMPLE/MUD LOGGER
	10:30 - 17:00	6.50	RIG	2	SHORT TRIP OUT 50 STANDS SLOW BECAUSE OF AIR ISSUES WITH
				MASTER CLUTCH (WHEN THEY THROTTLE UP ON DRAWWORKS ABOUT	
				HALF THROTTLE IT KICK'S OUT THE MASTER CLUCH), (TIGHT SPOTS WERE	
				AT 12,225 TO 12,12,215 AND 11,960 TO 11,950 AND 11,925 TO 11,910) WORK	
					UP AND DOWN THROUGH TIGHT SPOTS/ WHILE TRIPPING ALSO WAS
					TRYING TO WORK ON MASTER CLUTCH TO FIGURE OUT PROBLEM WITH IT,
	17:00 - 21:00	4.00	TRP	14	TRIP IN HOLE 50 STANDS BREAKING CIRCULATION EVERY 22 JT.S/ WASHED
		_			25' OF SOFT FILL(MOTOR IS REAL WEAK)
	21:00 - 02:30	5.50	CIRC	1	CIRCULATE AND GET MUD PROPERIES INTO SHAPE(12.7+) BOTTOMS UP
20.00			0.55		FLARE 25'-30'/PIT GAIN 86 BBL.S/ WITH ECD.S FLARE IS 2-3'
	02:30 - 03:30		CIRC	1	FLOW CHECK - OK - DROP SURVEY
	03:30 - 06:00		TRP	2	TRIP OUT OF HOLE TO RUN 7" LINER & STRAP OUT OF HOLE TRIPPING OUT OF HOLE TO RUN CASING LINER STRAPPING OUT OF HOLE
5/3/2007	06:00 - 12:30	6.50	TRP	2	TRIPPING OUT OF HOLE TO RUN CASING LINER STRAPPING OUT OF HOLE SLM-12,604/ NO CORRECTION) ,(TRIPPING SLOW BECAUSE OF MASTER
					CLUTCH TROUBLE ON RIG)
12:30 - 17:30	40.00 47.00	5.00	TRP	1	RIG UP LAY DOWN TRUCK AND LAY DOWN BHA (WET)
				'	PULL WEAR BUSHING
	17:30 - 18:00 18:00 - 19:30		OTH	1	HELD SAFETY MEETING/RIG UP ROCKY MTN. CASING CREW
19:30 - 04			CSG	2	RUN 7" CASING LINER,162 JT'S (84 JT'S 29# P110/78 JT'S 26# P110) BREAK
	19.30 - 04.00	0.30	030	_	CIRCULATION EVERY 25 JT'S
	04:00 - 05:00	100	csg	2	R/D CASING EQUIPMENT, FILL UP TOOL & LAY DOWN MACHINE
	05:00 - 06:00		CSG	2	MAKE UP LINER HANGER ASSEMBLY
5/4/2007	06:00 - 06:30		CSG	1	RIG DOWN CASING CREW
31-412-001	06:30 - 07:30		CIRC	i	CIRCULATE BOOTMS UP ON FIRST STAND OF DRILL PIPE
	07:30 - 12:30		CSG	4	TRIP IN HOLE 59 STANDS/FILL EVERY TEN STANDS(BREAK CIRCULATION)
	12:30 - 13:30		CSG	1	WASH DOWN 3 STANDS
	13:30 - 19:30	6.00	CIRC	1	CIRCULATE WHILE RECIPROCATING LINER/SHAKE OUT LCM IN PIT SYSTEM
		ł			LOST APOX 650 BBL
	19:30 - 20:00	0.50	CSG	4	HANG LINER WITH SMITH HAND
	20:00 - 00:30		CMT	2	HELD SAFETY MEETING AND CEMENT WITH HALLIBURTON (LOST RETURN'S
				1	59 BBL INTO DISPLACEMENT)
		1		1	PUMP CEMENT & DISPLACE CMT IN PLACE @ 0030 HRS BUMPED PLUB W/
		1		1	500 PSI OVER CIRULATION
					FLOAT HELD LEAD CEMENT TOTAL 1300 SACKS 4% GEL, 20% SSA-1, 3
			l		LBS/SK SIL6% HALAD-344, .2% SUPER
		1	1		TAIL CEMENT TOTAL 100 SACKS 2% GEL, 20% SSA-1, 3 LBS/SK SIL., .5%
		1			HALAD-344,.2% HALAD-413,.2%HR
			1	l	12, .7% SUPER CBL, .2% SUSPEND-HT
	00:30 - 01:00		CMT	1	LAY DOWN CEMENTING HEAD & HAL. CEMENT LINES
	01:00 - 01:30		TRP	2	PULL 5 STANDS
	01:30 - 03:00		CIRC	1	CIRCULATE 2X BOTTOMS UP
	03:00 - 06:00	3.00	TRP	2	TRIP OUT OF HOLE W/ 7" LINER RUNNING TOOL & LAY DOWN RUNNING
r (r (0007	00.00 07.00	1	ccc	 	TOOL ASSEMBLY TRIP OUT AND LAY DOWN 7" LINER HANGER
5/5/2007	06:00 - 07:00		CSG	4	PICK UP PILOT AND POLISH MILL FOR TOP OF LINER AND TRIP IN HOLE TO
	07:00 - 08:30	1.50	TRP	2	CLEAN TOP OF LINER
					Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/5/2007	08:30 - 09:30		отн		CUT AND SLIP DRILLING LINE
	09:30 - 10:30		RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 11:00		TRP	2	TRIP IN AND TAG TOP WITH POLISH MILL (NO ROTATION)
	11:00 - 14:00	3.00	отн	1	STING INTO LINER TOP/ ROTATE TORQUING UP (MEASURED OUT TO BE
					MILL IN IN LINER CATCH WOULD HANG UP IF PIPE WASN'T ROTATING,
					MILLED AND WORK UP AND OWN THROUGH ROTATING, COULD WORK UP
					AND DOWN THROUGH FULL STROKE OF CLEAN OUT TOOL WITH NO
					PROBLEMS,
	14:00 - 16:30	2.50	TRP	2	TRIP OUT OF HOLE TO SEE WHAT MILL LOOKS LIKE/HAD LITTLE WEAR/
	1			l_	LAYDOWN CLEAN OUT TOOL
	16:30 - 21:30	5.00		2	TRIP IN (SLOW) WITH PACKER TO SET IN LINER HANGER
	21:30 - 00:30	3.00	CSG	4	STING IN AND SET PACKER SEAL ASSEMBLY/ PRESSURE TEST SEALS 300
					PSI AND POSITIVE TEST @ 1500 PSI FOR 30 MIN.
	00:30 - 01:00		OTH		PULL OUT TWO STANDS TO DO A NEGITIVE TEST ON LINER LAP
	01:00 - 02:30	1.50	ОТН		FILL PILL TANK WITH WATER TRUCK AND DISPLACE MUD OUT OF HOLE
	00.00 00.00		050	_	FOR NEGITIVE TEST ON LINER PACKER
	02:30 - 03:30		DEQ	2	CARRY OUT NEGATIVE TEST ON 7' LINER & PACKER - OK -
	03:30 - 05:00		CIRC	1	CIRCULATE OUT WATER & DISPLACE WELL TO 12.7 MUD.
1010007	05:00 - 06:00	1.00		2	WORK ON MASTER CLUTCH
6/6/2007	06:00 - 06:00	24.00	RIG	2	REPAIR MASTER CLUTCH ON COMPOUND AND AIR LINES- WHILE WORKING
770007	00.00 00.00	44.50	DIC	_	ON MASTER CLUTCH CLEANED MUD TANKS & BUILD MUD VOLUME
5/7/2007	06:00 - 20:30	14.50	RIG	2	WORK ON MASTER CLUTCH (ROADS WERE CLOSED, COULDN'T BRING
	1			ļ	CLUTCH OUT OF CASPER ROADS OPENED UP AROUND 9:00 AM CLUTCH
20:30 - 01:30	E 00	TOO	1	SHOWED ON LOCATION @ 16:30)/CHANGED OUT LINER'S IN PUMP TO 5"	
	5.00	TRP	3	LAY DOWN DRILL PIPE IN MOUSE HOLE WHILE WAITING ON LAY DOWN TRUCK (DO TO RIG REPAIR/DIDN'T KNOW WHEN THE RIG WAS GOING TO	
	04.00 00.00	4.00	TDD	,	RUN PROPERLY) RIG UP LAY DOWN TRUCK
	01:30 - 02:30		TRP	3	
	02:30 - 03:00		TRP	3	LAY DOWN 5" DRILL PIPE USING L/D TRUCK TO 300'
	03:00 - 03:30		TRP	2	REMOVE ROTATING HEAD CONTINUE TO LAY DOWN 5" DRILL PIPE USING LAY DOWN TRUCK
	03:30 - 04:00		TRP	3	RIG DOWN LAY DOWN 5" DRILL PIPE USING LAY DOWN TRUCK
	04:00 - 04:30		TRP	3	TRIP IN HOLE TO LAY DOWN DRILL PIPE
E 1012007	04:30 - 06:00		TRP TRP	2	TRIP IN HOLE 55 STANDS TO LAY DOWN
5/8/2007	06:00 - 06:30			3	
	06:30 - 09:30		TRP	2	LAY DOWN 5" DRILL PIPE TRIP IN HOLE 11 STANDS TO LAY DOWN
	09:30 - 10:00		TRP	3	
	10:00 - 11:00		TRP OTH	3	LAY DOWN 5" DRILL PIPE CHANGE SAVER SUB AND GRABBER DIES (CHANGE TO 4" TOOLS)
	11:00 - 12:00 12:00 - 19:00		BOP	2	TEST BOP TO 10,000 PSI AND 250 PSI LOWS (TOP AND BOTTOM PIPE RAMS,
	12.00 - 19:00	7.00	BOP	 	BLIND RAMS, HCR, CHOKE MANIFOLD, TOP DRIVE VALVES, TIW, DART
	;				VALVE) 7500 PSI AND 250 LOW (ANNULAR), CASING TEST 1500 PSI FOR 30
					MIN.
	19:00 - 19:30	0.50	отн		MIN. INSTALL WEAR BUSHING
	19:30 - 19:30		TRP	2	RIG UP AND PICK UP BHA AND 4" DRILL-DRIFTING-
	21:00 - 21:30		OTH	-	INSTALL ROTATING RUBBER
	21:30 - 01:00		TRP	2	PICK UP 4" DRILL PIPE BREAK CIRCULATION (EVERY 1000')
	01:00 - 02:00		TRP	2	STRAP 140 JTS OF 4" DRILL PIPE ON PIPE RACK
	02:00 - 06:00			2	CONTINUE TO PICK UP 4" DRILL PIPE
/9/2007	06:00 - 08:30		TRP	2	PICK UP 4" DRILL PIPE-DRIFT SAME-CIRCULATE EVERY 30 JOINTS
1312001	08:30 - 09:30		TRP	2	RACK AND STRAP DRILL PIPE
	09:30 - 13:30	4.00		2	WENT TO AJUST BRAKES AND BRAKE BLOCK FELL OUT OF BAND (PULL
	03.30 - 10.30	4.00	NIG	_	AND VISUAL INSPECT BANDS (PUT NEW BRAKE BLOCK'S ON-BURN IN THE SAME)

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

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Spud Date: 1/24/2007 Rig Release: Rig Number: 24

	From - To	Hours	Code	Sub Code	Description of Operations
5/9/2007	13:30 - 17:00		TRP	2	PICK UP 4" DRILL PIPE -DRIFT
	17:00 - 18:00		CSG	1	RIG DOWN LAY DOWN TRUCK
	18:00 - 19:30	1.50	DRL	4	DRILL OUT LAND COLLAR @ 12520, FLOAT SHOE @ 12,563,SHOE @12,607 (CEMENT WAS SOFT EASY DRILLING/SURFACE SAMPLES ARE DRY BUT PRETTY FLAKY)
	40.00 00.00	0.50	DRL		DRILL FROM 12612 TO 12617
	19:30 - 20:00			1	CIRCULATE BOTTOMS UP TO PERFORM FIT TEST
	20:00 - 21:30		CIRC	1	FORMATION INTEGRITY TEST 2000 PSI WITH 12.6 MUD WT=EQUIV. TO 15.64
	21:30 - 22:00		EQT	2	MW
	22:00 - 04:30		TRP	2	TRIP OUT OF HOLE TO RUN LOGS THROUGH CASING/ PULL ROTATING HEAD
	04:30 - 06:00		LOG	2	HELD SAFETY MEETING W/ SCH. LOGGING CREW - RIG UP LOGGING EQUIPMENT & P/U LOGGING TOOLS
5/10/2007	06:00 - 22:00	16.00		2	LOGGING IN CASED HOLE W/ SWS, SONIC SCAN - CBL-VDL-P/S TD - BSC. LTD 12596'
	22:00 - 23:00		LOG	2	RD LOGGERS
	23:00 - 06:00	7.00	TRP	10	PU BI-CENTER BIT, MUD MOTOR, & TIH, RAN BHA & 1 ROW OF DP, FILL PIPE & BREAK CIRC, THEN EA. 3 ROWS. TAKING AN HOUR TO FILL PIPE, #1 PUMP NOT PUMPING, & DRILLER FORGOT TO OPEN MUD VALVE & BLEW A NAIL LAST FILL.
5/11/2007	06:00 - 07:30	1.50	TRP	10	TIH, FILL PIPE EA 2 ROWS, INSTALL ROTATING HEAD
0/11/2007	07:30 - 09:30		RIG	2	TAG BOTTOM, WORK ON PUMPS, PRESSURED UP.
	09:30 - 10:30		CIRC	1	C&C, MIX & PUMP PILL
	10:30 - 17:00		TRP	10	TOH F/ EXCESS PRESSURE. 4 NOZZLES PLUGGED DRY FIRST 20 STANDS,
		4 50	TOO	40	THEN CAME WET THE REST OF THE WAY OUT.
	17:00 - 18:30		TRP	10	PU & MU NEW BIT, LOST SLIP SEGMENT DOWN HOLE.
	18:30 - 20:30		WOT	4	LD MUD MOTOR & BIT, WO JUNK BASKET
	20:30 - 01:30		TRP	2	PU MILL TOOTH BIT, JUNK SUB, BIT SUB, & TIH RAN BHA & 1 ROW DP FILL PIPE, THEN FILL PIPE EA. 4 ROWS
	01:30 - 02:30		OTH		CHANGE OUT SAVER SUB
	02:30 - 06:00		TRP	2	TIH, FILL PIPE EA. 4 ROWS.
5/12/2007	06:00 - 06:30		TRP	3	TIH W/ JUNK SUB
	06:30 - 07:00		REAM	1	W&R 50' TO BOTTOM, 5' FILL
	07:00 - 09:30	2.50	DRL	1	WORK JUNK BASKET, NO EXCESS TORQUE AT ANY TIME WHILE WORKING OR WHILE DRILLING 17' OF NEW HOLE IT WAS AS IF SEGMENT WAS NOT THERE. ONE HAND SWEARS HE SAW IT HIT THE MUD IN THE ANNULAS SO DON'T KNOW WHAT TO MAKE OF IT.
	09:30 - 11:30	2.00	CIRC	1	CIRC BOTTOMS UP & PUMP PILL F/ TOH
	11:30 - 12:00		RIG	2	REPLACE CHAIN ON PIPE SPINNERS, DIDN'T HAVE A NEW ONE ON
					LOCATION, HAD TO WAIT FOR IT TO BE DELIVERED BEFORE WE COULD
	1			_	REPLACE IT, USING SPINNERS TO BACK OUT DP JUST IN CASE.
	12:00 - 15:00		TRP	2	TOH W/ JUNK BASKET
	15:00 - 15:30		RIG	2	REPAIR CHAIN ON SPINNER
	15:30 - 17:00		TRP	2	TOH W/ JUNK BASKET & FILL TRIP TANK
	17:00 - 17:30		RIG	2	REPLACE CHAIN ON SPINNERS
	17:30 - 20:30	3.00			FINISH TOH W/ BASKET, EMPTY CONTENTS, FOUND 5 PC OF STEEL, 1 PC OF TONG DIE ABOUT 1 1/2" LONG W/ A LARGE SCRAP THAT WOULD MATCH UP
					W/ CUTTERS ON BI-CENTER, & 4 SMALLER PCS. BIT HAD NO JUNK MARKS ON IT AT ALL. ALSO BROUGHT OUT 23 PCS OF ALUMINUM THE LARGEST IS ABOUT 1 1/4" x 3/4" X 1/4"
	20:30 - 22:30	200	RIG	2	REPLACE TABLE LOCK ON BREAK OUT SIDE.
	22:30 - 06:00		TRP	2	PU BI-CENTER BIT, MUD MOTOR, XO & TIH, RAN BHA & 1 ROW, FILL PIPE & CIRC THEN RUN 4 ROWS AT A TIME, FILL PIPE & CIRC.

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/13/2007	06:00 - 13:30		DRL	1	DRILL 12634' - 12797', 163', 21.73 FPH, WBO 10-11K, RPM 60 ON SURFACE, & 59 DOWN HOLE. 227 GPM.
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE
	14:30 - 06:00	15.50	DRL	1	DRILL 12797' - 13155', 356', 22.96 FPH, WOB 8-12, RPM 120, 60 ON SURFACE & 60 DOWN HOLE. 230 GPM. LOWER WT SEEMS TO DRILL SLOWER, HOPE TO BE @ CORE POINT AROUND 18:00 THIS EVENING.
5/14/2007	06:00 - 13:30	7.50	DRL	1	DRILL 13155' - 128', 17.06 FPH, WOB 8-12, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM.
	13:30 - 14:30		RIG	1	SERVICE RIG & TOP DRIVE
	14:30 - 20:00		DRL	1	DRILL 13283' - 13275', 92', 16.72 FPH, WOB 8-14, RPM 120, 60 ON SURFACE, 60 DOWN HOLE. 230 GPM.
	20:00 - 00:30	4.50	CIRC	1	C&C F/ CORE, MIX PILL.
	00:30 - 01:00		SUR	1	DROP SURVEY @ 13313', CHECK FLOW, FLOWING 1/2" STREAM FOR 30 MIN.
	01:00 - 05:00	4.00	CIRC	1	BRING PREMIX TO 13.6 PPG, & SPOT 250 BBL OF 13.6 PPG MUD ON BOTTOM F/ TOH BOTTOMS UP FLARE 8', 3000U+ BUG SPIKE AT BOTTOMS UP.
5/15/2007	06:00 - 10:00		TRP	2	TOH F/ CORE #1 CAME WET @ STAND # 80 OUT.
	10:00 - 11:30	1.50	CIRC	1	C&C, MIX #2 PILL
	11:30 - 13:30	2.00	TRP	2	FINISH TOH F/ CORE #1, STILL WET AT TIMES. RETRIEVE MULTISHOT SURVEY TOOL, SURVEY @ 13313' 2.3 DEG, 112.6 AZ.
	13:30 - 15:30	2.00	TRP	2	LD MOTOR & BIT, PU CORE BBL & BIT, FUNCTION BOTH PIPES, & BLIND RAMS
	15:30 - 16:30	1.00	TRP	2	TIH W/ BHA & 2 STANDS OF DP, FILL PIPE & CIRC 2 MIN.
	16:30 - 18:00	1.50	RIG	6	SLIP & CUT 162' OF DRLG. LINE
	18:00 - 19:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE.
	19:00 - 22:30	3.50	TRP	2	TIH W/ 4 ROWS DP, FILL PIPE & CIRC. REPEAT EA. 4 ROWS TO 8612', CIRC 1 MIN., 9682', CIRC 2 MIN, TIH TO 11828' FILL PIPE & CIRC EA. 4 ROWS.
	22:30 - 01:30	3.00	CIRC	1	INSTALL ROTATING HEAD @ 11828' & CIRC BOTTOMS UP. 1' FLARE. 2375u GAS
	01:30 - 03:00	1.50	TRP	2	TIH, FILL PIPE @ 12602', TIH TO 13375'
	03:00 - 06:00	3.00	CIRC	1	FILL PIPE & CIRC BOTTOMS UP, 8' FLARE 1 1/2 HR INTO CIRC. DROP BALL TO START CORING.
5/16/2007	06:00 - 17:00	11.00	DRL	1	CUT CORE #1, 13375' - 13435', 60', 5.45 FPH, WOB 4-10K RPM 65, 180 GPM.
	17:00 - 21:00	4.00	CIRC	1	BREAK OFF CORE, C&C F/ TOH W/ CORE #1 BOTTOMS UP GAS 4012u
	21:00 - 22:00	1.00	CIRC	1	SPOT 230 BBL OF 13.6 PPG MUD ON BOTTOM.
	22:00 - 06:00	8.00	TRP	2	TOH W/ CORE #1
5/17/2007	06:00 - 07:00		GEO	2	LD CORE #1, 100% RECOVERY, 60'
	07:00 - 08:00	1.00	GEO	2	CHANGE BITS & SPACE OUT.
	08:00 - 13:00		TRP	2	TIH F/ CORE #2, FILL PIPE & CIRC @ BHA & 1 ROW DP, THEN EA 4 ROWS TO 76 STANDS & CIRC 5 MIN. RIH TO 11832'.
	13:00 - 13:30	0.50	TRP	2	PULL STRIPPING RUBBER OUT OF BERRING ASSM, & INSTALL ROTATING HEAD RUBBER.
	13:30 - 14:00	0.50	CIRC	1	CIRC. 30 MIN.
	14:00 - 15:00		TRP	2	TIH W/ LAST 18 STANDS PU 2 JTS OF DP
	15:00 - 17:00		CIRC	1	CIRC BOTTOMS UP. BUG = 2548u 2' FLARE.
	17:00 - 06:00		GEO	2	TAG BOTTOM, & START CORE #2 @ 13435' - 13487', 52', 4.0 FPH, WOB 4-10, RPM 65, 180 GPM. HOPE TO BE @ 13495' BY 08:00.
5/18/2007	06:00 - 08:30	2.50	GEO	2	CORE, 13487' - 13495', 8', 4.0 FPH, WOB 9-10K, RPM 65, 180 GPM.
	08:30 - 10:30		CIRC	1	BREAK CORE, CIRC BOTTOMS UP, MUD LOGGERS EQUIPMENT QUIT WORKING, NO ACCURATE GAS READING
	10:30 - 18:00	7.50	TRP	2	CHECK F/ FLOW, PUMP PILL, TOH W/ CORE #2. LOST 14 BBL OF MUD ON TOH.
	18:00 - 19:00	1.00	GEO	2	LD CORE #2, 100% RECOVERY, 60+'
	i	L	<u> </u>	L	Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/18/2007	19:00 - 01:30		TRP	10	PU BIT, MUD MOTOR, XO, & TIH TO 5500°, BREAK CIRC. THEN EA. 4 ROWS TO 12603°
	01:30 - 02:00		RIG	8	REMOVE GRABBER BOX F/ TOP DRIVE.
	02:00 - 04:00		CIRC	1	CIRC. BOTTOMS UP
	04:00 - 06:00	2.00	RIG	2	REPLACE TORQUE CONVERTER SEAL ON #2 FLOOR MOTOR
5/19/2007	06:00 - 09:00	3.00	RIG	2	REPAIR RIG, FINISH REPALCING SEAL IN TORQUE CONVERTER ON #2 FLOOR MOTOR
	09:00 - 10:00		RIG	1	SERVICE RIG & TOP DRIVE
	10:00 - 10:30		TRP	10	FINISH TIH PU 2 JTS DP.
	10:30 - 11:30		REAM	1	W&REAM 120' TO BOTTON, DRILL UP CORE STUMP
	11:30 - 06:00	18.50	DRL	1	DRILL 13495' - 13835', 340', 18.37 FPH, WOB 8-14K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE. 230 GPM BOP DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL.
5/20/2007	06:00 - 11:00	5.00	DRL	1	DRILLING 13835' - 13931', 96', 19.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE 230 GPM
	11:00 - 12:00		RIG	1	SERVICE RIG & TOP DRIVE
	12:00 - 17:00	5.00	DRL	1	DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE,
					60 DOWN HOLE, 230 GPM
	17:00 - 18:30		RIG	2	RIG REPAIR, BOTH PUMPS DOWN, NOTHING REALY STOOD OUT AS THE PROBLEM, BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM.
	18:30 - 00:00		DRL	1	DRILL 14034' - 14116', 73', 13.27 FPH, WOB 10-14k, RPM 45-65 ON SURFACE, 60 DOWN HOLE, 230 GPM GAS TO SURFACE
	00:00 - 06:00	6.00	WCL	1	8108u GAS TO SURFACE VENTING THROUGH BUSTER, CIRC OUT GAS ON BUSTER, 12-25 FLARE. PUMP PRESSURE STARTED FALLING OFF @ 14101*, NOT MUCH INCREASE IN FLOW UNTIL JUST BEFORE GAS HIT SURFACE. LOOSING 8.5 BPH MUD, CIRC W/ 15-25' FLARE, BGG 300 - 400u THROUGH BUSTER.
5/21/2007	06:00 - 14:30	8.50	WCL	1	CIRC OUT GAS ON CHOKE, RAISED WT F/ 13.3 - 13.5, SHUT IN WELL CHECK F/ PRESSURE, NONE. CIRCULATED BOTTOMS UP 3 TIMES, THEN CHECKED F/ FLOW, NONE, STARTED TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIC. FLOW STEADY WHILE ON CHOKE, GAINING VOLUME WHILE CIRCULATING, RUNNING 7 BPH OF MU WATER.
	14:30 - 03:00	12.50	DRL	1	DRILL 14116' - 14330', 214', 17.12 FPH, WOB 2-8, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, FLOW HAS BEEN ERATIC SINCE WE HAVE BEEN BACK TO DRILLING, THIS TIME IT LOOKS AS THOUGH WE TOOK ABOUT A 50 BBL GAIN. WHEN GAS HIT SURFACE IT BLEW THE FLOW SENSOR OUT OF THE FLOW LINE.
	03:00 - 06:00		WCL	1	SHUT IN WELL, FCP AT 1100 PSI AND CLIMBING WITH CHOKE 1/2 OPEN, 3" CHOKE LINE LEAKING, SI WELL TO FIX & SICP HIT 1750 IN 3 MIN. OPENED CHOKE BACK UP FCP @ 1600 W. CHOKE 1/4 OPEN. HAVE NOT TRIED TO GET A SIDPP AS SHOE IS ONLY GOOD TO 2650 PSI WILL TRY TO GET MUD ON BACK SIDE, APPEARS TO BE LOOSING FLUID AS DPP WILL CLIMB TO 1100 PSI & FALL OFF TO 1070 PSI, FCP WILL FALL TO 1600 THEN CLIMB TO 1700-1800.
5/22/2007	06:00 - 20:00		WCL	1	CIRC OUT GAS ON CHOKE, RAUSED MW F/ 13.6 PPG TO 14.0 PPG, MADE 3 COMPLETE CIRCULATIONS, SICP 0. SIDPP 0. OPNED ANNULAR, NO FLOW.
	20:00 - 20:30		WCL	1	CHANGE OUT ROTATING HEAD BERRING ASSM. WELL SWABBING WHEN WE PULLED STAND TO CHANGE UT HEAD.
	20:30 - 22:00		WCL	1	STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL
	22:00 - 06:00	8.00	WCL	1	SIW & CIRC OUT GAS ON CHOKE, RAISING MW TO 14.2 PPG. ON CIRC #2.4T PRESENT, CHOKE FULL OPEN, MW IN 14.2, MW OUT 13.9 GAS CUT, GAINING FLUID SINCE 01:45, PARTIAL MU WATER, PARTIAL BARITE ADDITIONS, BUT STILL SEEM TO BE IN EXCESS OF THAT. WILL SEE BOTTOMS UP AROUND
					Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/22/2007	22:00 - 06:00	8.00	WCL	1	06:00
5/23/2007	06:00 - 06:00	24.00	WCL	1	CIRC OUT GAS ON CHOKE, MADE 3 CIRCULATIONS, CHECK F/ FLOW, WELL
					STATIC F/3 MIN, THEN FLOWING 27 BPH, SURGING, LET WELL FLOW 30 MIN,
					GAINED 6 BBL ACCORDING TO PVTS. SI & MONITOR PRESSURES, SICP
					STABILIZED @ 340,SICP SLOW STROKE PUMP, FLOAT OPENED @ 275
					SIDPP, CIRC & RAISED WT TO 14.7 PPG, FIRST ROUND, THEN TO 15.0 ON
					SECOND ROUND, CIRC ROUNG #3 BEFORE CHECKING F/ FLOW, MW IN
					15.0.MW OUT 14.6 AT REPORT TIME.
5/24/2007	06:00 - 07:00	1.00	CIRC	1	CIRCULATE THROUGH CHOKE
0/L 1/2001	07:00 - 07:30		отн	-	OPEN ANNULAR AND CHECK FOR FLOW (NO FLOW)
	07:30 - 09:30		CIRC	1	CIRCULATE BOTTOMS UP TO SEE GAS/ FLARE SIZE (6'-8')/5400 GAS UNITS
	01.00 00.00		0	'	PEAK
	09:30 - 16:30	7.00	DRL	1	RESUME DRILLING FROM 14,330 TO 14,450 (ROP 17' HR) WOB 10K, 44 ROT,
	03.30 - 10.30	7.00	DILL	'	92 STROKES,
	16:30 - 17:30	1.00	RIG	1	RIG SERVICE /GREASE RIG AND TOP DRIVE
	17:30 - 02:30		DRL	li .	DRILLING FROM 14,450 TO 14,644 (ROP 21.5' HR.)
	02:30 - 03:30		CIRC	l'i	CIRCULATE GAS HAD 11 BBL GAIN AND GAIN IN GAS UNITS,
	03:30 - 05:30		DRL	l'i	DRILLING FROM 14,644 TO 14,690 (ROP 18.4' HR.)
E (0E (0007				1 '	DRILLING FROM 14,694 TO 14,755 (ROP 18.9' HR) WOB 8-10/ ROT. RPM 44/
5/25/2007	06:00 - 10:30	4.50	DRL	1	SPM 92
	10-20 11-02	0.50	CIRC	1	CIRCULATE GAS- LOST TOTAL RETURNS FOR 5-7 MIN (DRY GAS 15-20)
	10:30 - 11:00	0.50	CIRC	1	FLARE) REGAIN RETURN WITH NO LOSSES
	44.00 40.00	ه دم	DRL		DRILL FROM 14,775 TO 14,890 (ROP 13.5' HR) TRY DIFFERNT PERAMITORS
	11:00 - 19:30	8.50	DRL	1	
				١.	TO GET TO DRILL-NO LUCK FRILLING A STEADY 7'-9' HR
	19:30 - 21:30		CIRC	1	CIRCULATE BOTTOMS UP & BUILD PILL FILL TRIP TANK
	21:30 - 22:00		SUR	1	DROP SURVEY
	22:00 - 22:30		CIRC	1	PUMP 1# OVER PILL AND SPOT
	22:30 - 23:30	1.00	TRP	10	TRIP OUT FOR BIT #23 AND MUD MOTOR TO 13046, (HOLE NOT TAKING
				l	PROPER FILL STOPPED AND CHECK FOR FLOW-SLIGHT FLOW
	23:30 - 03:30	4.00	CIRC	1	CIRCULATE BOTTOMS UP TWICE WHILE BUILDING #2 SLUG/GAS IS
					FEEDING IN FROM BOTTOM SO DISCUSSED WITH STEVE AND DECIDED TO
					TRIP TO BOTTOM AND BRING WT UP
	03:30 - 05:00		TRP	2	TRIP IN 19 STANDS
	05:00 - 06:00	1.00	CIRC	1	CIRCULATE THROUGH HALF CHOKE HOLDING STAND PIPE PSI @
	-				1200-CASING 900/ (PUMP WENT DOWN WENT TO SWITCH PUMP AND GAIN
					30 BBLS, SHUT IN WELL 1900 PSI ON CSING
5/26/2007	06:00 - 11:00	5.00	CIRC	1	CIRCULATING THROUGH CHOKE-OFF CHOKE @ 6:45-BOTTOMS UP 30-35'
				1	FLARE/30 BBL GAIN, BRING MUD WT UP TO 15.5 ALL THE WAY AROUND,
				1	BUILD 2# SLUG TO SPOT
	11:00 - 12:00	1.00	CIRC	1	SPOT #2 OVER PILL ALL IN OPEN HOLE AND INTO CASING 20 FEET
	12:00 - 13:00		TRP	10	TRIP OUT OF HOLE 10 STANDS (SLOW) (NOT TAKING PROPER AMOUNT OF
	,			1	FLUID (NONE GOING BACK INTO PIT IN OVER FILL TUBE)
	13:00 - 13:30	0.50	отн		STOPPED CHECK FOR FLOW WELL STILL FLOWING BUT WASN'T GAINING IN
	10.00 - 10.00	0.50			MUD TANKS, CHECKED EQUIPMENT-CHARGE PUMP WAS ON HAND IN PUMP
					HOUSE, CHECK FLOW GAIN (NO FLOW)
	13:30 - 14:30	1.00	TRP	12	TRIP TO SHOE (WET)-SLOW
	14:30 - 15:00	0.50	TINE	'-	PUMP DRY SLUG AND FILL TRIP TANK CHECK FLOW (NO FLOW)
	15:00 - 20:00		TRP	12	TRIP OUT OF HOLE
			OTH	12	HANDLE BHA AND CHANGE MUD MOTOR AND BI CENTER BIT/ SURVEY 1.2
	20:00 - 21:00	1.00	UIM		MANDLE BHA AND CHANGE MOD MOTOR AND BI CENTER BIT/ SURVEY 1.2
	04.00 04.00	7.00	TRP	2	@14,836 (FUNCTION TEST BOPE EQUIP MENT) TRIP IN HOLE TO SHOE BREAK CIRCULATION AT BHA AND EVERY 33
	21:00 - 04:00	7.00	IKP	4	
					STANDS DEPTHS- 1292, 4116, 7417, 10,622 (RAN 3 FT FLARE ON TRIP IN /
					WELL WAS NOT FLOWING ON FLOW CHECKS)
				l	Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/26/2007	04:00 - 04:30	0.50	CIRC	1	BREAK CIRCULATION @ SHOE
	04:30 - 06:00	1.50	RIG	6	SLIP AND CUT DRILLING LINE @ SHOE (18 WRAPS)
5/27/2007	06:00 - 07:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE FUNCTION ANNULAR
	07:00 - 07:30	0.50	TRP	2	TRIP IN TWELVE STANDS-SLOW
	07:30 - 08:00	0.50	CIRC	1	BREAK CIRCULATION, CIRCULATE 1/2 OF 2# SLUG INTO CASING TO BLEND
	08:00 - 08:30	0.50	TRP	2	TRIP IN 11 STANDS SLOW
	08:30 - 10:30		CIRC	1	CIRCULATE BOTTOMS UP/ WASH TO BOTTOM STAGE PUMP UP TO BREAK
	00.00		0	1	CIRCULATION, PEAK GAS 1600 UNITS NO GAIN IN MUD OR FLOW
	10:30 - 06:00	19.50	DRI	1	DRILL FROM 14890 TO 15180 (ROP 14.8' HR)
5/28/2007	06:00 - 13:30		DRL	1	DRILL FROM 15,180 TO 15,291-(ROP 14.8' HR)-GAS FROM DEPTH OF 15206,
3/20/2001	00.00	,.00	D. 12	1	HAD FLOW INCREASE AND AN 18 BBL GAIN IN PITS
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	14:30 - 06:00	15.50		1	DRILL FROM 15, 291 TO 15,490 (ROP 12.8' HR)
10010007	06:00 - 14:00		DRL	1	DRILL FROM 15, 29 1 TO 15,430 (ROP 12:0 TRK)
5/29/2007				ł	RIG SERVICE- GREASE BLOCKS, SWIVEL AND COMPOUND, TOPDRIVE
	14:00 - 15:00		RIG	1	
	15:00 - 19:30	4.50	DRL	1	DRILL FROM 15,583 TO 15654 (ROP 15.7) HAVING TO KEEP WOB 15, CLAY
	40.00.00.00	0.00	OIDO		LIKE SILT STONE COMING OVER SHAKERS
	19:30 - 22:30	3.00	CIRC	1	CIRCULATE BOTTOMS UP 2 TIMES TO CLEAN OUT GAS IN WELL BORE, GAS
					WAS FROM DEPTH OF 15,623 CALCULATED, GAINED 30 BBL AND FLARE
				15-20' HIGH, GAS UNITS BEST-6100 UNITS SURGED WHEN GAS HIT	
					SHAKERS BROUGHT MUD WT TO 15.5
	22:30 - 06:00		DRL	1	DRILL FROM 15,654 TO 15,720 (ROP 8.8' HR.)
5/30/2007	06:00 - 09:30	3.50	DRL	1	DRILL FROM 15,720 TO 15,777 (ROP 16.2' HR)
	09:30 - 10:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 11:30	1.00	DRL	1	DRILL FROM 15,777 TO 15,805 (ROP 28' HR)
11:30 - 12	11:30 - 12:30	1.00	CIRC	1	CIRCULATE OUT GAS THROUGH CHOKE PIT GAIN OF 40 BBL.S/ 100 PSI ON
					CASING PRESSURE ON FULL OPEN CHOKE
	12:30 - 13:00	0.50	DRL	1	DRILL FROM 15,805 TO 15,841 (ROP 72' HR)
	13:00 - 13:30		CIRC	1	CIRCULATE THRU CHOKE ON SECOND BOTTOMS UP-IT HAD A GOOD PUSH
	10.00				TO IT/PICKED UP AND PUT ON THE CHOKE GAINED 28 BBL.S
	13:30 - 06:00	16.50	DRI	1	DRILL FROM 15,841 TO 16,022 (ROP 10.9' HR) (BROUGHT MW TO 15.6 TO
	10.00	10.00	J. 1.E.	'	CONTROL CONNECTION GAS SEEMS TO BE HOLDING CONNECTION GAS
					BACK)
5/31/2007	06:00 - 10:00	4.00	DRL	1	DRILLING FROM 16,022 TO 16,069 (ROP 11.75' HR)
3/3 1/2007		1.00			SERVICE RIG AND TOP DRIVE
	10:00 - 11:00			1.	
	11:00 - 06:00	19.00	DKL	1	DRILL FROM 16,069 TO 16,295 (ROP 11.89' HR) @ 16,209 SLOWED DOWN TO 9 FOOT A HOUR, CHANGE BIT PERAMETERS NO CHANGE/ CHECKED WITH MUD LOGGER CHANGED FROM 80% SHALE, 10% SILTSTONE, 10% SANDSTONE CHANGED TO 50% SHALE, 50% SILTSTONE STARTED PICKING
					UP @ 16,269
5/1/2007	06:00 - 11:30	5.50	DRL	1	DRILL FROM 16, 295 TO 16,360 (ROP 11.8' HR) WOB 15, DHRPM 110, MW 15.5
	11:30 - 12:30	1.00	RIG	1	SERVICE RIG AND TOP DRIVE
	12:30 - 18:00	5.50	DRL	1	DRILL FROM 16,360 TO 16,452
	18:00 - 06:00	12.00	RIG	2	WORK ON SWAB, LINER, DIS-CHARGE MODULE ON #2 MUD PUMP OFF BULL
		1			WHEEL SIDE/ #1 MUD PUMP CROSS HEAD OUT PUMP IS UNOPERATABLE,
					CHANGE OUT SWIVEL PACKING ALSO (CAN'T CIRCULATE, WORK PIPE UP
					AND DOWN)WELL STARTED FLOWING 1 BBL HR SHUT IN WELL AT 00:00, @
					2:30 WELL HAD ZERO CASING PRESSURE OPEN WELL AND RE CHECK
					FLOW AND WORK PIPE (WELL FLOWING 3/4 BBL AN HOUR) RE SHUT IN
					WELL
6/2/2007	06:00 - 10:30	4.50	RIG	2	WORK ON #2 PUMP MODULE, COULDN'T GET HEX-BOLT'S OUT OF MODULE, MONITORING WELL (#1 PUMP HAS X-HEAD OUT)# PUMP WAS READY @ 11:30
					Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/2/2007	10:30 - 15:00	4.50	CIRC	1	CIRCULATE GAS-BOTTOMS UP TWICE WITH HALLIBURTON (5 BBL MIN) FIRST HAD A GOOD PUSH HAD TO SHUT IN AND HOLD 3/4 CHOKE WITH 300 PSI ON CHOKE HAD 32 BBL GAIN, GAS UNITS ALL OVER DUE TO LEVEL OF
					MUD AT SHAKERS 35' FLARE AT PEAK
	15:00 - 16:30	1.50	CIRC	1	SPOT 190 BBL PILL 17.4 OVER FALLOWED BY 130 BBL 15.5 MUD
	16:30 - 01:00		TRP	2	TRIP OUT OF HOLE SLOW TO SHOE-TIGHT SPOT'S AT 15,510, 15,164 PULLED
	, , , , , , , , , , , , , , , , , , , ,				UP WORKED DOWN AND PULLED THROUGH WITH REG. DRAG (LOOKS GOOD) FLOW CHECKED AT SHOE (NO FLOW)
	01:00 - 02:30	1.50	TRP	1	HANDLE BHA LAY DOWN MUD MOTOR AND PICK UP HIGH SPEED MUD MOTOR AND SURFACE TEST 200 GPM 500 PSI, PICK AND LAY DOWN JARS
	02:30 - 06:00	3.50	TRP	2	TRIP IN HOLE FILL PIPE AT BHA, AND EVERY 3 ROWS
6/3/2007	06:00 - 09:30	3.50	TRP	2	TRIP IN HOLE WITH IMPREG AND HIGH SPEED MUD MOTOR, FILL EVERY 33 STANDS TO SHOE FILLS BHA, 4463, 7816, 10,675, 12,738
	09:30 - 10:30		отн		INSTALL ROTATING RUBBER (PULL STRIPPING RUBBER OUT OF ROTATING HEAD)
	10:30 - 11:30		ОТН		FIX OIL LEAKS ON TOP DRIVE, CHANGE SAVER SUB, GRABBER DIES
	11:30 - 12:00		TRP	2	TRIP IN 20 STANDS IN OPEN HOLE (SLOW)
	12:00 - 12:30		CIRC	1	BREAK CIRCULATEION, CIRCULATE HEAVY PILL INTO CASING (BLEND)
	12:30 - 13:00		TRP	2	TRIP AND SCREW INTO LAST STAND TO CIRCULATE BOTTOMS UP
	13:00 - 14:00		CIRC	1	CIRCULATE 2# OVER SLUG OUT OF HOLE WHILE WASHING TO BOTTOM
	14:00 - 14:30 14:30 - 16:00		OTH	1	CHANGE OUT GASKET ON ROTATING HEAD (LEAKING MUD IN SUB AND FILLED CELLUR CIRCULATE 2# OVER SLUG OUT OF HOLE HAD 23 BBL GAIN,10' FLARE, 7002
	16:00 - 20:00		DRL	1	UNITS OF PEAK GAS [DRILLING FROM 16,452 TO 16,472 (ROP 5' HR)
	20:00 - 20:30		RIG	2	RIG REPAIR SHUT DOWN DRILLING TO PULL OFF PUMP SHED TOP AND
	20:30 - 06:00		DRL	1	PUMP OUT WITH CRANE [DRILLING FROM 16, 472 TO 16,522 (ROP 5.25' HR) WOB 12/ ROT 65/ GPM 242/
					DHRPM 522
6/4/2007	06:00 - 13:00		DRL	1	DRILL FROM 16,522 TO 16,559 (ROP 5.2' HR) WOB 12, ROT 65, DHRPM 527 (DAKOTA SILT CAME IN @ 16,516)
	13:00 - 14:00		RIG	1	SERVICE RIG AND TOP DRIVE (GREASE COMPOUND, DRAW-WORKS, TOP DRIVE, SWIVEL PACKING)
	14:00 - 06:00	16.00		1	DRILL FROM 16,559 TO 16,661 (ROP 6.3' HR) WOB 14, ROT 65, DHRPM 527
6/5/2007	06:00 - 12:30	6.50	DRL	1	DRILL FROM 16,661 TO 16,721 (ROP 9.2' HR) TALK TO BLM FOR EXTENSION FOR BOPE TEST TALKED TO RAY ARNOLD AND IT WAS OKED BY MATT BAKER
	12:30 - 13:30	1.00	RIG	1	RIG SERVICE, GREASE TOP DRIVE, COMPOUND, DRAW-TOOL
	13:30 - 06:00	16.50		i	DRILL FROM 16,721 TO 16,878 (ROP 9.5' HR)
6/6/2007	06:00 - 10:00		DRL	1	DRILL 16,878 TO 16,916 (ROP 9.5' HR) WOB 13, RPM 62, DHRPM 497
	10:00 - 11:00		RIG	1	SERVICE TOP DRIVE, COMPOUND, SWIVEL, DRAWTOOL
	11:00 - 03:30	16.50		1	DRILL 16,916 TO 17,045 (ROP 7.8' HR) WOB 15, RPM 65, DHRPM 500
	03:30 - 04:00	0.50	отн		WORK TIGHT HOLE ON CONNECTION, WORK UP THROUGH (WANTED TO PACK OFF), WORK BACK TO BOTTOM 1' OF TIGHT SPOT
	04:00 - 06:00	2.00	DRL	1	DRILL 17,045 TO 17,060 (ROP 7.5' HR) WOB 15, RPM 65, DHRPM 500
6/7/2007	06:00 - 14:00	8.00	DRL	1	DRILL 17060' - 17110', 50', 6.25 FPH, WOB 14K, RPM 65 ON SURFACE & 500 DOWN HOLE
	14:00 - 15:30	1.50	RIG	1	SREVICE RIG & TOP DRIVE, WORK TIGHT CONNECTION FOR AN HOUR OF THIS
	15:30 - 16:00	0.50	DRL	1	DRILL 17110' - 17114', 4' CALLED TD FOR THIGH CONNECTIONS, RAISING MW TO 15.5 PPG
	16:00 - 21:00	5.00	CIRC	1	CIRC & COND F/ SHORT TRIP, RAISING MW TO 15.5 PPG.
	21:00 - 22:30	1.50	TRP	14	STARTED SHORT TRIP, FIRST 5 STANDS TIGHT, PUMPED OUT #2 & 3
		L	J		Printed: 6/8/2007 2:24:13 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location:

Spud Date:

1/24/2007 Rig Release: 4-8-S 22-E 26 Rig Number: 24 Rig Name: ENSIGN Sub Code **Description of Operations** Date From - To Hours Code PUMPED 30 BBL PILL, CAME WET, PULLED 3 MORE STANDS, PUMP MORE 6/7/2007 22:30 - 23:00 0.50 CIRC 23:00 - 01:30 2.50 TRP 14 FINISHED SHORT TRIP WET, WASHED LAST 90' TO BOTTOM. NO FILL 01:30 - 06:00 4.50 CIRC C&C, GAINED 52 BBL, SHUT WELL IN & CIRC THORUGH CHOKE, OPENED WELL BACK UP, INCREASED STROKES, PRESSURE CAME UP, PIPE MOVES

FREE, WHEN YOU SHUT DOWN THE PUMP THE PRESSURE DROPS RIGHT OFF. 05:45, MOVED PIPE DOWN & SET 3K ON BIT, PRESSURE DROPPED OFF, AS OF NOW PRESSURES ARE ABOUT RIGHT. 4.00 CIRC C&C, CIRCULATE OUT GAS, MAINTAIN 15.5 PPG MW. MUD MOTOR 6/8/2007 06:00 - 10:00 PRESSURING UP. SET WT ON BIT AND PRESSURE WOULD FALL OFF FOR A 10:00 - 12:30 2.50 TRP TOH 7 STANDS, PUMPED OUT #2 & 3, ROTATED THE REST OUT WIITH OUT PUMP. 12:30 - 13:30 1.00 CIRC C&C, MOTOR LOCKED UP, BLEW A NAIL 13:30 - 14:00 0.50 RIG REPLACE NAIL IN POP OFF. CIRC W/ HALIBURTON, BLEW THE PACKING OUT OF DRIVER SIDE PUMP. 3.50 CIRC 14:00 - 17:30 CIRC W/ 1 PUMP, BLEW PACKING OUT OF IT ALSO. 5.50 CIRC CIRC W/ RIG PUMP @ 53 SPM @ 3 BPM @ 2800 PSI. SPOTTED 250 BBLOF 17:30 - 23:00 17.5 PPG MUD @ 16462', & DISPLACED W/ 175 BBL OF 15.5 PPG MUD 23:00 - 06:00 7.00 TRP TOH F/ LOGS W/ SLM, WET & SLOW HOPE TO BE RIGGING UP LOGGERS BY

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

43-042-32990

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

itig italiic.	2,40,014		7.		97-38170
Date	From - To	Hours	Code	Sub Code	Description of Operations
1/24/2007	06:00 - 08:00	2.00	LOC	4	RIG DOWN TO SKID RIG FOR TRUCKS
	08:00 - 10:00	2.00			RIG UP CRAINE, TRUCKS TO PULL FRONT TWO MATS
	10:00 - 15:30	5.50	LOC	4	DIG CELLAR IN STALL RING
	15:30 - 17:00	1.50	LOC	4	SLID RIG 10' AHEAD W/ 4 TRUCKS, CRAINE , 2 D-8 CATS
	17:00 - 00:00		LOC	4	RIG BACK UP FRONT YARD
	00:00 - 06:00	6.00	TRP	1	PICK UP DP STAND IN DERRICK
1/25/2007	06:00 - 10:00		LOC	4	SET GAS BUSTER, CHOKE HOUSE IN W/ CRAIN, FLOW LINE
	10:00 - 12:00	2.00			TRYING TO SCREW IN TO BHA STANDING DERRICK
	12:00 - 13:00	1.00			KICK PUMPS IN FROZE IN TOP DRIVE
	13:00 - 16:00	3.00	ĺ		STAND BHA BACK IN DERRICK TOP DRIVE BACK OUT DRILL PIPE IN TOP OF
	10.00 17.00	4.00	212	1_	MONEL DC HAD TO GET SCREWED BACK IN MONEL DC
	16:00 - 17:00		RIG	5	
	17:00 - 18:00		TRP	1	PICK UP BHA
	18:00 - 21:00		DRL	1	SPUD IN 17 1/2 HOLE @ 1800 1/24/2007 DRILLING F/21 TO 47'
	21:00 - 22:00		RIG	2	TIGHT UP STAND PIPE UNION
	22:00 - 02:30		DRL	1	DRILL F/ 47 TO 258
	02:30 - 05:00		TRP		LAY DOWN 6 DP, TO 2 STD 6 5/8 HWD
	05:00 - 06:00		REAM	1	WASH 90' TO BOTTOM
1/26/2007	06:00 - 06:30		SUR	1	SURVEY @ 261 1.2 DEG 54.0 AZ
	06:30 - 10:30		DRL	1	DRILL F/ 258 TO 350
	10:30 - 11:00	0.50		_	CLEAN OUT SUCTION&DISCHARGE LINE ON CELLAR PUMP
	11:00 - 11:30		DRL	1	DRILLING F/ 350 TO 374
	11:30 - 12:30		TRP	2	L/D 5 JTS. PIPE & RUN IN 6 5/8 HWD DRILLING F/374 TO 526'
	12:30 - 16:30		DRL	1	
	16:30 - 17:00		SUR	14	SURVEY @ 476' 1.7 DEG 39.4 AZ
	17:00 - 18:30		TRP	1 14	SHORT TRIP TO BIT(SLM BOARD 526.0 STRAP 528.33 NO CORR.) CIRC, SWEEP AROUND RUN 13 3/8 CSG.
	18:30 - 19:30		CIRC	2	TRIP OUT RUN 13 3/8 CASING, L/D IBS, SHOCK SUB
	19:30 - 22:00		TRP	1	RIG UP CASING CREW, CHANGE OUT BAILES ON TOP DRIVE
	22:00 - 00:00		CSG	2	RUN 12 JTS 13 5/8 CASING K-55 # 54.5 W/ WESTSTATE CASING
	00:00 - 03:00 03:00 - 04:00		CIRC	1	RIG UP CIRC 13 3/8 CSG.
			CMT	2	RIG CMT, HELD SAFTY MEETING CMT. 13 3/8 CSG
1/27/2007	04:00 - 06:00 06:00 - 07:00		CMT	2	CEMENT 13 3/8 CSG. W/ 500 SK. TYP 3 0.2 VERASET, 1% CALCIUM CHLORID,
1/2//2007	06.00 - 07.00	1.00	CWII	_	0.125#/SK POLYFLACK #14.5 PPG.YIELD 1.40 RETRUNED 9.5 BBL TO PIT
	07.00 40.00	F 00	WOT		FLOAT HELD.PLUG DOWN @ 06:30 RIG DOWN CEMENTER
	07:00 - 12:00		WOT	1	CUT OFF PIPE, CHIP CMT DOWN 1 FT. FOR BASE PLATE ON HEAD, WELD ON
	12:00 - 18:00	6.00	BOP	1	HEAD, TEST TO 1,000 PSI
	40.00 00.00	12.00	BOB	1	NIPPLE UP BOPS
4 (00/0007	18:00 - 06:00 06:00 - 19:00	13.00		2	TEST BOPS, HAD RETIGHT ALL FLANGE, TESTED HYDRILL, WING VAVLES,
1/28/2007	06:00 - 19:00	13.00	ВОР	2	UNTHAW HCR VALVE, TESTED HCR
	19:00 - 20:00	1.00	RIG	2	CHANGE OUT 4 1/2 PIPE RAMS, BLOCKS
	20:00 - 22:00	2.00	BOP	2	TEST UPPER KELLY,
	22:00 - 00:00		RIG	2	FLIP PIPE RAMS OVER
	00:00 - 01:00	1.00	BOP	2	CHANGE OUT TEST JT.UNTHAW TOP DRIVE
	01:00 - 02:00	1.00	вор	2	RETEST PIPE RAMS,NO GOOD
	02:00 - 06:00		RIG	2	NIPPLE DOWN BOPS, WAIT ON NEW DOUBLE GATE FROM QUAIL OUT
					CASPER SHOULD BE HEAR @ 12:00 TO DAY
1/29/2007	06:00 - 17:00	11.00	wor	4	NIPPE DOWN BOPS , WAIT ON DOUBLE GATE F/ QUAIL IN CASPER, UNTHAW KELLY HOSE, PUT KELLY HOSE EXT. PIPE ON TO KEEP HOSE OFF
	i				TOP DRIVE
	17:00 - 23:00	600	вор	1	NIPPLE UP BOPS
	23:00 - 06:00		BOP	2	TEST BOPS PIPE RAMS, BLINDS, CHOKE MANFOILD, WING VALVE, HCR,
	23:00 - 00:00	7.00	BUF	_	TEGT BOTO FILE ICAMO, BEMEDO, OFFICIAL MINITURES, THING VALVE, HON,
	1	1	I	1	1

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ENSIGN Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/29/2007	23:00 - 06:00	7.00	вор	2	CHECK VALVE UPPER, LOEWR KELLY VAVLE, LOW, 250 PSI 5MINS, HIGH 5,000 10 MIN, HY DRILL 250 LOW 5MIN. HIGH 2500 PSI 10 MINS. TEST CASING TO 1500 PSI FOR 30 MINS OK
1/30/2007	06:00 - 13:30	7.50	RIG	2	NIPPLE DOWN ROTATING HEAD ADD 14" TO SPOOL WAIT ON WELDER, REDUE SPOOL FOR ROTATING HEAD,INSTALL WEAR BUSHING, DRILL
					MOUSE HOLE,
	13:30 - 19:00		RIG	2	NIPPLE UP ROTATING HEAD, HOOK UP FLOW LINE PUT TRUN BUCKLES ON BOP , CENTER BOP UP TO ROTARY TABLE
	19:00 - 20:30		BOP TRP	1	P/UP BHA
	20:30 - 00:00 00:00 - 01:00		TRP	2	TRIP IN HOLE TAGED CMT AT 470'
	01:00 - 04:30		DRL	1	DRILLING CMT .FLOAT COLLAR, SHOE, & 10' NEW HOLE
	04:30 - 05:30		EQT	2	RIG UP , FIT TEST TO 61 PSI = 10.5 MUD WT BLEAD OFF 10 PSI IN 5MINS TESTED W/ SINGLE JACK TESTING
	05:30 - 06:00	0.50	TRP	3	LAY DOWN SLICK JT . DP , UP SPIRAL HWDP
1/31/2007	06:00 - 09:30		DRL	1	DRILLING F/ 526 TO 720
	09:30 - 11:00		CIRC	1	CIRC WHILE WORKING ON PASON EQUIPT.
	11:00 - 12:30		DRL	1	DRILLING F/ 720 TO 812
	12:30 - 13:00		OTH		CIRC. WORK ON TOP DRIVE STALLING OUT W/ 10,000 WT
	13:00 - 13:30		DRL	1	DRILLING F/812 TO 830
	13:30 - 14:00		OTH	١.	CIRC. WORK ON TOP DRIVE
	14:00 - 15:30		DRL.	1	DRILLING F/ 830 TO 904
	15:30 - 16:00		RIG	1	RIG SER.
	16:00 - 17:30		DRL OTH	1	DRILLING F/ 904 TO 953 WORK ON TOP DRIVE FILLTER COLAPSED
	17:30 - 20:00 20:00 - 20:30		DRL	1	DRILL F/ 953 TO 1035
	20:30 - 21:30		SUR	ľ	SURVEY @ 1,000' 1.6 DEG 35.2 AZ
	21:30 - 01:00		DRL	li	DRILL F/ 1035 TO 1147'
	01:00 - 02:30		отн		CIRCULATE AND WORK PIPE WHILE CHANGE OUT FLITERS ON TOP DRIVE 12 FILTERS ALL IN BAD CONDITION.
	02:30 - 06:00	3.50	DRL	1	DRILL F/ 1147' TO 1250
2/1/2007	06:00 - 13:00	7.00	DRL	1	DRILLING FROM 1250' TO 1483'
	13:00 - 15:30		RIG	2	WAITTING ON WELDER AND REPAIR STAND PIPE
	15:30 - 17:00		DRL	1	DRILLING FROM 1483' TO 1514'
	17:00 - 18:00		SUR	1	RAN WIRE LINE SURVEY AT 1444' 1.9 DEG. 37.30 AZI
	18:00 - 20:30		DRL	1	DRILLING FROM 1514' TO 1544'
	20:30 - 23:00	2.50		13	TRIP OUT OF HOLE TO CASING SHOE DUE TO MOTOR FAILURE ON TOP DRIVE
	23:00 - 03:00		RIG	2	CHANGE OUT TOP MOTOR ON TOP DRIVE, AND TESTED MOTOR
	03:00 - 04:30		TRP	13	TRIP IN HOLE TO 1079'
1010007	04:30 - 06:00		REAM DRL	1	WASH AND REAM FROM 1079' TO 1544' DRILLING FROM 1544' TO 1734'
2/2/2007	06:00 - 13:00 13:00 - 15:30		OTH	'	REPAIR PASON
	15:30 - 15:30		RIG	2	WELDER REPAIR DISCHARGE LINE ON PUMP # 2
	20:30 - 22:00		DRL	1	DRILLING FROM 1734' TO 1796'
	22:00 - 23:00		CIRC	li .	MADE CONNECTION HOLE PACKING OFF BENT TWO JOINTS PIPE
		,,50		Ĭ.	CIRCULATED HI VIS SWEEP
	23:00 - 00:30	1.50	DRL	1	DRILLING FROM 1796' TO 1801'
	00:30 - 02:00		RIG	2	REPAIR MUD PUMP CHANGE SWAB #1 PUMP
	02:00 - 06:00		DRL	1	DRILLING FROM TO 1801' TO 1920'
2/3/2007	06:00 - 11:00		DRL	1	DRILLING FROM 1900' TO 2017'
	11:00 - 11:30		RIG	1	SERVISE RIGRIG SERVICE
	11:30 - 12:00	0.50			INSTALL ROTATING HEAD
	12:00 - 22:00	10.00	DRL	1	DRILLING FROM 2017' TO 2203'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/3/2007	22:00 - 22:30		отн		REPAIR TOP DRIVE
	22:30 - 23:00	0.50	SUR	1	WIRE LINE SURVEY AT 2133' 1.7 DEG. 36.2 AZM
	23:00 - 06:00	7.00	DRL	1	DRILLING FROM 2203' TO 2275'
/4/2007	06:00 - 08:30	2.50	DRL	1	DRILLING FROM 2275' TO 2309'
	08:30 - 09:00	0.50	CIRC	1	PUMP SWEEPS AND CIRCULATE
	09:00 - 12:30		TRP	10	TRIP OUT OF HOLE FOR BIT
	12:30 - 14:30		TRP	10	CHANGE OUT BIT AND TRIP IN HOLE TO SHOE
	14:30 - 15:00		RIG	1	SERVICE TOP DRIVE
	15:00 - 15:30		TRP	10	TRIP IN HOLE HIT BRIDGE AT 873'
	15:30 - 23:00		REAM	1	WASH AND REAM FROM 873' TO 2164 EXCESSIVE AMOUNTS OF PEE
					GRAVEL COMING BACK ACROSS SHALE SHAKERS, RAISING WT AND VIS
	23:00 - 00:00		RIG	2	CHANGE OUT KELLY SAVER SUB
	00:00 - 05:00		TRP	10	PACKED OFF WORKING TIGHT HOLE FROM 2164 BACK REAM UP TO
	05:00 - 06:00	1.00	CIRC	1	CIRC. AND RAISE WT TO 9.2, VIS TO 40, REAMING TO BOTTOM
/5/2007	06:00 - 08:30	2.50	REAM	1	WASH AND REAM FROM 2197 TO 2314
	08:30 - 14:00	5.50	DRL	1	DRILLING FROM 2309 TO 2390
	14:00 - 14:30	0.50	RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	14:30 - 06:00	15.50	DRL	1	DRILLING FROM 2390 TO 2757
	06:00 -				NOTE: AFTER RAISING VIS AND WT, TORQUE WENT AWAY
/6/2007	06:00 - 09:30	3.50	DRL	1	DRILLING FROM 2757 TO 2832
	09:30 - 10:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	10:00 - 12:30		DRL	1	DRILLING FROM 2832 TO 2895
	12:30 - 13:00		RIG	2	RIG REPAIR, FILL # 2 PUMP MOTOR WITH ANTIFREEZE
	13:00 - 06:00	17.00		1	DRILLING FROM 2895 TO 3230
/7/2007	06:00 - 07:00		DRL	1	DRILLING FROM 3230 TO 3275
7772001	07:00 - 07:30		RIG	2	RIG REPAIR DAY TANK ON # 2 PUMP RAN OUT OF FUEL
	07:30 - 10:30		DRL	1	DRILLING FROM 3275 TO 3339
	10:30 - 11:00		RIG	i	RIG SERVICE, SERVICE TOP DRIVE
	11:00 - 00:30	13.50		1	DRILLING FROM 3339 TO 3593
	00:30 - 01:30		RIG	2	RIG REPAIR # 2 PUMP, REPLACED VALVE & SEAT IN SUCTION
	01:30 - 06:00		DRL	1	DRILLING FROM 3593 TO 3664
/8/2007	06:00 - 10:30		DRL	1	DRILLING FROM 3664 TO 3750
1812001			RIG	2	CHANGE OUT MIDDLE DISCHARGE VALVE AND SEAT # 1 PUMP
	10:30 - 11:30			1	DRILLING FROM 3750 TO 3847
	11:30 - 17:00		DRL		
	17:00 - 18:00		RIG	1	RIG SERVICE, SERVICE TOP DRIVE
	18:00 - 19:00	1.00	DRL	1	DRILLING FROM 3847 TO 3870
	19:00 - 21:00	2.00	TRP	13	PRESSURE LOSS, BIT QUIT DRILLING, LOOKING FOR PRESSURE LOSS WENT THROUGH BOTH PUMPS
	21:00 - 22:00	1.00	TRP	13	MIX UP PILL
	22:00 - 22:30		TRP	13	DROP SURVEY
	22:30 - 23:00		TRP	13	PUMP PILL
	23:00 - 01:30		TRP	13	TRIP OUT FOR MOTOR
	01:30 - 06:00		TRP	13	TWO 2" HOSES BLEW INTO BETWEEN TOP DRIVE UNIT AND 1/4 WAY UP DERRICK, WHILE BREAKING OUT SAVER SUB TO PULL OUT HWDP
	06:00 -		1		NOTE: HAD 6 TH MAN CHANGE LINERS IN #1 PUMP TO 5 1/2
/9/2007	06:00 - 12:30	6.50	отн		WORKING ON TESCO TOP DRIVE, REPLACING 2" HOSES, PROBLEMS W/
					BACK PRESSURE ON GRABBER
	12:30 - 13:30		TRP	13	TRIP OUT TO SHOE
	13:30 - 15:00		отн	1	WORKING ON BACKPRESSURE ON GRABBER, REPLACE CHECK VALVE
	15:00 - 18:00		TRP	1	TRIP OUT , CHANGE OUT BIT AND MOTOR, CLOSE AND OPEN BLINDS, PIPES AND HYDRIL
	18:00 - 23:00	5.00	TRP	13	TRIP IN TO 1100', HIT BRIDGE, COULD NOT CIRCULATE THROUGH STRING
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

2/10/2007 C	23:00 - 02:00 02:00 - 04:00 04:00 - 05:30 05:30 - 06:00 06:00 - 07:00 07:00 - 07:30 07:30 - 16:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 04:00 - 05:00	2.00 1.50 0.50 1.00 0.50 8.50 1.00 1.00 4.00 3.00 1.00	TRP TRP TRP TRP OTH REAM OTH REAM CIRC CIRC	13 13 2 2 2 2 1	TRIP OUT TO MOTOR, FLOAT BROKE, CLEAN JUNK OUT OF MOTOR TRIP IN WITH MOTOR AND IBS, CIRCULATE THROUGH BHA, GOOD TRIP IN WITH BHA TRIP INTO 1100 INSTALL TRIP SLEEVE IN ROTATING HEAD WASH AND REAM FROM 1100' TO 3183 INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
2/10/2007 C	04:00 - 05:30 05:30 - 06:00 06:00 - 07:00 07:00 - 07:30 07:30 - 16:00 17:00 - 17:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	1.50 0.50 1.00 0.50 8.50 1.00 1.00 4.00 3.00 1.00	TRP TRP OTH REAM OTH REAM CIRC CIRC	2 2 2 1 1	TRIP IN WITH MOTOR AND IBS, CIRCULATE THROUGH BHA, GOOD TRIP IN WITH BHA TRIP INTO 1100 INSTALL TRIP SLEEVE IN ROTATING HEAD WASH AND REAM FROM 1100' TO 3183 INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
2/10/2007 C	15:30 - 06:00 16:00 - 07:00 17:00 - 07:30 17:30 - 16:00 16:00 - 17:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 10:00 - 02:00 10:00 - 04:00 10:00 - 05:00	0.50 1.00 0.50 8.50 1.00 1.00 4.00 3.00 1.00	TRP TRP OTH REAM OTH REAM CIRC CIRC	2 2 1 1	TRIP IN WITH BHA TRIP INTO 1100 INSTALL TRIP SLEEVE IN ROTATING HEAD WASH AND REAM FROM 1100' TO 3183 INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
2/10/2007 C	06:00 - 07:00 07:00 - 07:30 07:30 - 16:00 16:00 - 17:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	1.00 0.50 8.50 1.00 1.00 4.00 3.00 1.00	TRP OTH REAM OTH REAM CIRC CIRC	1 2	TRIP INTO 1100 INSTALL TRIP SLEEVE IN ROTATING HEAD WASH AND REAM FROM 1100' TO 3183 INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
11 12 20 00 00 00 00 00 00 00 00 00 00 00 00	07:00 - 07:30 07:30 - 16:00 16:00 - 17:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	0.50 8.50 1.00 1.00 4.00 3.00 1.00	OTH REAM OTH REAM CIRC CIRC	1 1 2	INSTALL TRIP SLEEVE IN ROTATING HEAD WASH AND REAM FROM 1100' TO 3183 INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
11 22 00 00 00 00 00 00 00 00 00 00 00 00	07:30 - 16:00 16:00 - 17:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	8.50 1.00 1.00 4.00 3.00 1.00	REAM OTH REAM CIRC CIRC	1 2	WASH AND REAM FROM 1100' TO 3183 INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
1 2 2 0 0 0 0	16:00 - 17:00 17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	1.00 1.00 4.00 3.00 1.00	OTH REAM CIRC CIRC	1 2	INSTALL ROTATING HEAD RUBBER, HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
1 2 0 0 0	17:00 - 18:00 18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	4.00 3.00 1.00	REAM CIRC CIRC	2	HOLE PACKED OFF LOST CIRC, BACK REAM FROM 3207 UP TO 3200' NO CIRCULATION
1 2 0 0	18:00 - 22:00 22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	4.00 3.00 1.00	CIRC CIRC	2	CIRCULATION
2 0 0	22:00 - 01:00 01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	3.00 1.00	CIRC		
0	01:00 - 02:00 02:00 - 04:00 04:00 - 05:00	1.00			LOST CIRC, PACKED OFF, BACK REAM FROM 3207 TO 3179, GOT RETURNS
0	02:00 - 04:00 04:00 - 05:00		TDD	1	CIRCULATE AND CONDITION MUD
d	04:00 - 05:00	2.00	IIRE	2	TRIP IN HOLE TO 3780
			REAM	1	WASH AND REAM FROM 3780 TO 3860
		1.00	RIG	2	RIG REPAIR, GO THROUGH # 2 PUMP CLEAN OUT ROCKS
	05:00 - 05:30		REAM	1	WASH AND REAM FROM 3860 TO 3870
[0	05:30 - 06:00		DRL	1	DRILLING FROM 3870 TO 3875
2/11/2007	06:00 - 08:00		DRL	1	DRILLING FROM 3875' TO 3927'
ļ	08:00 - 09:30	1.50	RIG	2	REPAIR MUD PUMP # 2
0	09:30 - 21:30	12.00		1	DRILLING FROM 3927' TO 4164'
2	21:30 - 22:00		RIG	2	CHANGE OUT TWO SHAKER SCREEN ON ONE ON EACH SHAKER
2	22:00 - 06:00	8.00	DRL	1	DRILLING FROM 4164' TO 4280, AT 4242' HOLE STARTED TAKING MUD
					AVERAGE 65 BBL / HR. ADDED 20 SKS NEW CARB, 20 SKS MICA, 20 SKS DYNA FIBER, AND 20 SKS ASH PHALT IN 1 HOUR 15MIN LOSSES WERE
į				}	DOWN TO 12 BBLS / HOUR
2/12/2007	06:00 - 09:00	3 00	DRL	1	DRILLING FROM 4292' TO 4326'
	09:00 - 05:00	20.00		2	CIRCULATE AND CONDITION WHILE ATTEMPT TO REPAIRING # 2 MUD PUMP
	19.00 - 05.00	20.00	I KIG	_	DISCHARGE, REPAIRS FAILED CHANGED OUT DISCHARGE MODULE
ا ا	05:00 - 06:00	1 00	DRL	1	DRILLING FROM 4326' TO 4340'
	06:00 - 06:00		DRL	i	DRILLING FROM 4340' TO 4379'
	11:00 - 12:00		SUR	ľ	DROP SURVEY AT 4309' 1.5 DEG 61.20 AZI
	12:00 - 12:00		TRP	10	TRIP OUT OF HOLE DUE TO PENETRATION RATE
	19:30 - 19:30		отн	10	PULLED WEAR BUSHING TO CHECK WEAR, DRILL PIPE RIDING ON SIDE OF
	19:30 - 22.00	2.50	Oin		BOPS SLIGHT WEAR ON WEAR BUSHING RE RAN WEAR BUSHING
2	22:00 - 02:30	4.50	TRP	10	MADE UP BIT # 5 SMITH MX9539 AND TRIP IN HOLE (1.5 HOURS TO LATCH ONTO STAND OF 8" DRILL COLLARS)
	02:30 - 04:00	1 50	RIG	6	SLIPPED AND CUT DRILL LINE
	04:00 - 06:00		отн	١	ADJUST TOP DRIVE TRACK AND ALINE BOPS WITH ROTARY TABLE
	06:00 - 09:00		TRP	10	TRIP IN HOLE TO 4300
	09:00 - 09:00 09:00 - 10:30		REAM	1	SAFETY WASH 79' TO BOTTOM 20' OF FILL
	10:30 - 14:30		DRL	i	DRILLING FROM 4379 TO 4416
			RIG	i	RIG SERVICE, SERVICE TOP DRIVE
	14:30 - 15:00	0.50	RIG	'	ING SERVICE, SERVICE TO BRIVE
,	15:00 - 17:00	2.00	DRL	1	DRILLING FROM 4416 TO 4431
	17:00 - 18:00	1.00	RIG	2	RIG REPAIR, REPLACE SUCTION VALVE AND SEAT IN # 1 PUMP
	18:00 - 01:30		DRL	1	DRILLING FROM 4431 TO 4478
	01:30 - 05:00		RIG	2	RIG REPAIR # 1 PUMP SUCTION VALVE AND SEAT, BULL WHEEL SIDE, ALSO
[`				1	CHANGED VALVE IN DISCHARGE MIDDLE
1	05:00 - 06:00	1.00	DRL	1	DRILLING FROM 4478 TO 4487
	06:00 - 10:30		DRL	1	DRILLING/ 4487 TO 4500
	10:30 - 13:00		RIG	2	CHANGE OUT VALVE, SEAT IN # 2PUMP CENTER POT
	13:00 - 13:30		RIG	1	RIG SER
	13:30 - 14:00		DRL	1	DRILL F/ 4500 TO 4520
		5.50		1	
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/15/2007	14:00 - 15:00	1.00	CIRC	1	CIRC, MIX , PUMP SWEEP LMC (LOST 120 BBL. MUD)
	15:00 - 18:00	3.00	DRL	1	DRILL F/ 4520 TO 4584
	18:00 - 23:00		DRL	1	DRILL F/4584 TO 4619
	23:00 - 00:00	1.00	RIG	2	GO THRU #2 MUD PUMP, CHANGE OUT VALVES ON SUCTION AND
					DISCHARGE
	00:00 - 03:00		DRL	1	DRILL F/4619 TO 4641
	03:00 - 03:30		RIG	2	WORK ON #2 PUMP, CHANGE OUT VALVES IN MIDDLE SECTION
	03:30 - 06:00	1	DRL	1	DRILL F/4641 TO/
/16/2007	06:00 - 10:00		DRL	1	DRILL F/ 4671' TO/ 4686' (LOST 100 BBLS MUD, DRAIN VALVE TO TRIP TANK WAS LEFT OPEN)
	10:00 - 13:00		REAM	1	REAMING, WORK TORQUE OUT
	13:00 - 16:00		CIRC	1	CIRCULATE & CONDITION MUD, MIX & PUMP DRY JOB
	16:00 - 18:30		TRP	10	T.O.O.H TO HWDP, SLM 4685'
	18:30 - 03:30	9.00		1	INSPECT BHA & LAY DOWN 4 JTS OF 4 1/2" HWDP
	03:30 - 06:00		TRP	1	LAY DOWN MOTOR, SHOCK TOOL, IBS STABILIZER, BIT
/17/2007	06:00 - 07:00		TRP	1	LAY DOWN STABILIZER & MUD MOTOR
	07:00 - 08:00		TRP	1	TRIP IN, PICK UP & REPLACE 4 JTS 4 1/2 HWDP, JARS
	08:00 - 12:00		TRP	2	TIH
	12:00 - 14:00		REAM	1	WASH & REAM F/3254', T/3515'
	14:00 - 15:00		TRP	2	TIH
	15:00 - 15:30		REAM	1	WASH & REAM F/4602 T/ 4685
	15:30 - 16:00		DRL	1	DRILL F/ 4685 T/ 4688
	16:00 - 16:30		CIRC	1	CONDITION & CIRC, PUMP SWEEP
	16:30 - 17:30		DRL	1	DRILL F/ 4688' T/ 4701 DEVIATION SURVEY @ 4610' (1.2 DEVIATION)
	17:30 - 18:00		SUR	1	DRILL F/4701 T/ 4707
	18:00 - 18:30		DRL	2	LOST CIRCULATION, 100 BBL LOSS
	18:30 - 19:00 19:00 - 06:00		CIRC	1	WORK TIGHT SPOT, CIRC & COND MUD, JARING TIGHT HOLE @ 4693', 14FT
19:	19:00 - 06:00	11.00	CIRC	'	OFF BOTTOM
/18/2007	06:00 - 14:00	9.00	FISH	3	JARING ON STUCK PIPE @ 4693 UP TO 4672
/18/2007	14:00 - 21:30		FISH	4	RIG UP WEATHFORD WIRE LINE TRUCK TO FREE POINT
	21:30 - 05:00		FISH	5	SPOT 300 LBS FRACK SAND IN MUD MOTOR DID NOT WORK SPOTED
	21.30 - 03.00	7.50	FISH		300LBS SAND AGAN STILL DID NOT WORK
	05:00 - 06:00	1.00	FISH	3	JARING ON STUCK PIPE W/ ON STEEL BALL TO LOCK UP MOTOR SO WE
	03.00 - 00.00	1.00	1 1011		CAN BACK OFF
/19/2007	06:00 - 12:00	6.00	FISH	3	JARING ON STUCK PIPE, CAME FREE
	12:00 - 13:00	1.00	TRP	2	TRIP OUT 2 STANDS
	13:00 - 14:30		CIRC	1	CIRCULATE, MIX & PUMP PILL, L/D FREE POINT CREW
	14:30 - 18:00		TRP	2	T.O.O.H, L/D DRILLING JARS
	18:00 - 20:00		TRP	2	т.о.о.н
	20:00 - 22:00		TRP	1	L/D SHOCK SUB, MOTOR, PDC BIT, MONEL
	22:00 - 23:00		RIG	1	WORK ON TOP DRIVE
	23:00 - 00:00	1.00	TRP	1	P/U JUNK BASKET, MILL TOOTH BIT
	00:00 - 06:00		TRP	2	TRIP IN HOLE
/20/2007	06:00 - 07:00	1.00	REAM	1	WASH 90 ' TO BOTTM 4617 TO 4707
	07:00 - 07:30	0.50	FISH	5	WORK JUNK SUB ON BOTTOM PICK UP BALL , NUTS
	07:30 - 08:00		DRL	1	DRILLING F/ 4707 TO 4718
	08:00 - 08:30	0.50	CIRC	1	CIRC, MIX & PUMP PILL
	08:30 - 12:00	3.50	TRP	2	TRIP OUT HOLE W/ JUNK SUB (CLOSED BLIND RAMS, WORKED PIPE RAMS)
	12:00 - 12:30	0.50	FISH	5	CLEAN OUT JUNK SUB (RECOVERED 176 STEEL BALL, 76 1/4, 1/2 NUTS)
	12:30 - 15:00	2.50	TRP	1	L/D BIT SUB, P/U MUD MOTOR, MONEL DC.
	15:00 - 18:30		TRP	2	TRIP IN HOLE
	18:30 - 19:00		REAM	1	WASH & REAM 30' TO BOTTOM, F/4688' T/ 4718'
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/20/2007	19:00 - 21:30	2.50	DRL	1	DRILL F/ 4718' T/4780'
	21:30 - 22:30	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE SWAB
	22:30 - 00:00	1.50	DRL	1	DRILL F/4780' T/4812'
	00:00 - 01:00	1.00	RIG	2	WORK ON #1 MUD PUMP, CHANGE ANOTHER SWAB
	01:00 - 01:30		DRL	1	DRILL F/4812' T/4831'
	01:30 - 02:00		RIG	2	COOL #2 MUD PUMP
	02:00 - 06:00	4.00	DRL	1	DRILL F/4831' T/4913'
2/21/2007	06:00 - 14:30		DRL	1	DRILL F/4913'- T/5045'
	14:30 - 15:00		RIG	2	RIG REPAIR, WORK ON #1 MUD PUMP, CHANGE 1 DISCHARGE & 2 SUCTION VALVES
	15:00 - 16:30		DRL	1	DRILL F/ 5045' T/5065'
	16:30 - 17:00		RIG	1	SERVICE RIG
	17:00 - 19:00		DRL	1	DRILL F/5065' T/5071'
	19:00 - 19:30		RIG	2	RIG REPAIR, COOL DOWN #1 MUD PUMP MOTOR
	19:30 - 21:00		DRL	1	DRILL F/5071' T/ 5078', MW 9.7, 47 VIS,
	21:00 - 22:30		CIRC	1	CIRC & COND MUD, FILL TRIP TANK, MIX & PUMP PILL, DROP SURVEY
	22:30 - 04:00	1	TRP	10	P.O.O.H, TRIP OUT FOR BIT
	04:00 - 06:00		TRP	1	L/D & P/U MOTOR & BIT
2/22/2007	06:00 - 07:00		TRP	1	P/U BHA
	07:00 - 08:30		TRP	10	TRIP IN HOLE TO SHOE
	08:30 - 10:00		RIG	6	CUT DRILLING LINE
	10:00 - 13:00		TRP	10	TRIP IN HOLE
	13:00 - 14:00		REAM	1	WASH TO 30 TO BOTTOM (BLOW BOTTOM OFF GOOD BEFOR DRLG.) NO FILL
	14:00 - 15:00		DRL	1	DRILLING F/ 5078 TO 5165 (HELD BOP DRILL 2 MIN,)
	15:00 - 15:30		RIG	1	RIG SER. & SER. TOP DRIVE, (WORK PIPE RAMS)
	15:30 - 00:30		DRL	1	DRILLING F/ 5165 TO 5258
	00:30 - 02:00		RIG	2	RIG REPAIR, WORK ON # RIG PUMP, CHANGE
	02:00 - 04:00		DRL	1	DRILLING F/5258' T/5323
	04:00 - 04:30		RIG	2	RIG REPAIR, 1 SUCTION VALVE ON #2 PUMP
	04:30 - 06:00		DRL	1	DRILLING F/5323' T/5335
2/23/2007	06:00 - 10:30		DRL	1	DRILLING F/ 5335 TO 5428
	10:30 - 12:00	t	RIG	2	TURNED FAN AROUND ON # 1 & # 2 PUMPS
	12:00 - 13:30		DRL	1	DRILLING F/ 5428 TO 5449
	13:30 - 15:00		RIG	2	CHANGE SWAB IN # 2 PUMP MIDDLE POT
	15:00 - 06:00	15.00		1	DRILLI F/ 5449 TO 5570
2/24/2007	06:00 - 10:00		DRL	1	DRILLING F/ 5570 TO 5609
	10:00 - 10:30		RIG	1	RIG SER., TOP DRIVE SER.
	10:30 - 11:30		RIG	2	CHANGE LINER, SWAB IN # 2 PUMP BILL WHEEL SIDE
	11:30 - 16:00		DRL	1	DRILLING F/ 5609 TO 5627
	16:00 - 16:30		CIRC	1	CIRC COND FOR TRIP
	16:30 - 17:00		SUR	1	SURVEY @ 5597 .5 DEG 157.6 AZ
	17:00 - 17:30		CIRC	1	PUMP PILL, BLOW KELLY OUT
	17:30 - 23:00		TRP	10	TRIP OUT FOR BIT # 9 (HAD TRIP BOP DRILL)
	23:00 - 00:00		TRP	1	CHANGE OUT BITS (CLOSED BLINDS RAMS, OPEN)
	00:00 - 06:00	6.00	TRP	10	TRIP IN HOLE
2/25/2007	06:00 - 07:00	1.00	TRP	10	TRIP IN HOLE TAGED UP @4785 TITE
	07:00 - 12:00		CIRC	1	WORK TITE HOLE, LOST 130 BBLS MUD, RUN STAND IN 4813
	12:00 - 17:00	5.00	RIG	2	CHANGE PUMP ON TOP DRIVE
	17:00 - 17:30	0.50	TRP	10	TRIP IN HOLE
	17:30 - 18:00	0.50	REAM	1	WASH 60 ' TO BOTTOM
	18:00 - 19:00	1.00	DRL	1	DRILL F/5627 TO 5629
	19:00 - 20:30		RIG	2	WORK ON # 1PUMP SWAB, #1 CHAGER PUMP SWITCH DOWN
	<u>j</u>	<u> </u>			Printed: 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/25/2007	20:30 - 21:00		DRL	1	DRILL F/ 5629 TO 5630
	21:00 - 23:00	2.00	RIG	2	CHANGE SEAT,#1 PUMP BULL WHEEL SIDE,CHANGE SWAB MIDDLE
	23:00 - 02:00	3.00	DRL	1	DRILL F/ 5630 TO 5649
	02:00 - 03:00	1.00	CIRC	2	LOST CIRC @ 5649 LOST 300 BBLS.
	03:00 - 04:30	1.50	TRP	2	TRIP OUT HOLE TIGHT @ 4810
	04:30 - 06:00	1.50	REAM	1	BACK REAMING F/ 48 10 TO 4809
2/26/2007	06:00 - 07:00	1.00	CIRC	2	LOST CIRC (150 BBLS)
	07:00 - 09:00	2.00	TRP	2	TRIP OUT 10 STAND COULDN'T CIRC TRIP TO 4750, BACK REAMING TO 4785
	09:00 - 10:30	1.50	TRP	2	TRIP BACK IN HOLE
	10:30 - 12:30	2.00	DRL	1	DRILL F/5649 TO 5670
	12:30 - 13:30	1.00	CIRC	1	WORK TIGHT HOLE @ 5670 ON CONN.
	13:30 - 23:00	9.50	DRL	1	DRILLING F/5670 TO 5732
	23:00 - 00:00		CIRC	1	WORK TIGHT HOLE @ 5732 TO 5642 (3 TIMES HOLE GOOD FREE)
	00:00 - 06:00	6.00	DRL	1	DRILLING 5732 TO (DRILL W/ NO FLUID LOST)
	06:00 -			1	
2/27/2007	06:00 - 09:00		DRL	1	DRILLING 5780 TO 5804
	09:00 - 15:00		REAM	1	BACK REAM , JARING UP THROW TIGHT HOLE @ 5803 TO 5700
	15:00 - 15:30		RIG	2	CHANGE OUT GRABBER DIES IN TOP DRIVE
	15:30 - 18:00		TRP	2	TRIP OUT HOLE TO 3127 TIGHT
	18:00 - 06:00		REAM	1	WORK TIGHT HOLE F/ 3127 TO 3072 (55')
2/28/2007	06:00 - 09:00	3.00	FISH	3	WORKING TIGHT HOLE JARING UP (3272 , 3464 PULLED 1 STD TIGHT AGAIN
				_	3400 JARED OUT TO 3369
	09:00 - 14:00		TRP	2	TRIP OUT HOLE
	14:00 - 17:00		TRP	1	L/D BHA. BIT, MM, JARS, AND STAB
	17:00 - 22:00		TRP	1	TRIP IN HOLE, TIGHT HOLE AT 3257' WORKED PIPE
	22:00 - 02:00		CIRC	1	CIRCULATE AND RAISE MUD WEIGHT TO 9.7 AT 3077'
	02:00 - 03:00		TRP	1	LOST RETURNS PULLED 2 STANDS
	03:00 - 05:30		CIRC	1	PUMP 2 50 LCM PILL AND CIRC
	05:30 - 06:00		TRP	1	TIH.
3/1/2007	06:00 - 07:30		TRP	2	TRIP IN HOLE
	07:30 - 08:00		REAM	1	WASHING TO BOTTOM LOST CIRC.
	08:00 - 08:30		TRP	2	TRIP OUT 10 STD.
	08:30 - 10:00		CIRC	1	MIX UP LCM PILL, PUMP
	10:00 - 14:00		CIRC	2	CIRC, BUILD MUD VOLUME
	14:00 - 15:30		TRP	2	TOOH TO 3130' TIGHT HOLE FROM 3250' TO 3130'
	15:30 - 19:00		CIRC	2	CIRC GOOD RETURNS REAM THROUGH TIGHT SPOT, BUILD VOLUME
	19:00 - 21:00		TRP	2	TIH BROKE CIRC EVERY 5 STANDS
	21:00 - 06:00		DRL	1	DRILLING FROM 5804' TO 5889'
3/2/2007	06:00 - 13:00		DRL	1	DRILLING FROM 5889' TO 5895'
	13:00 - 14:00		CIRC	1	PUMP PILL, CHANGE PLAN GO BACK TO DRILLING
	14:00 - 15:30		DRL	1	DRILLING NO PROGRESS
	15:30 - 18:00		DRL	1	MADE AND PUMPED BIT UNBALLING PILL WHILE ATTEMPTING TO DRILL NO PROGRESS
	18:00 - 00:00	6.00	TRP	10	TOOH TIGHT HOLE AT 5800' BACK REAMED THROUGH TIGHT SPOT AND TOOH NO OTHER PROBLEMS
	00:00 - 06:00	6.00	TRP	10	M/U NEW BIT RIH FILLEDPIPE EVERY 6 STANDS AFTER 3200 FOOT
3/3/2007	06:00 - 07:00		TRP	10	TRIP IN HOLE BRAKE CIRC EVERY 5 STAND
	07:00 - 08:00		REAM	1	WASH AND REAM TO 5801'
	08:00 - 10:30	2.50		2	REPAIR MUD PUMPS # 1 CHANGED OUT SWAB AND SEAT # 2 PUMP CHANGED OUT SWAB
	10:30 - 11:00	0.50	REAM	1	WASH REAM FROM 5801' TO 5895'
	11:00 - 11:30		CIRC	i	PUMP 40 BBLS OF UNBALLING PILL
	11:30 - 12:00		DRL	i .	DRILLING FROM 5895' TO 5901'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/3/2007	12:00 - 12:30	0.50	RIG	2	REPAIR PUMP # 2 CHANGED SWAB
	12:30 - 03:30	15.00	DRL	1	DRILLING FROM 5901' TO 6014'
	03:30 - 04:00	0.50	RIG	2	REPAIR PUMP #2 CHANGED SWAB
	04:00 - 06:00	2.00	DRL	1	DRILL F/6014' T/ 6041'
/4/2007	06:00 - 07:00	1.00	RIG	2	REPAIR MUD PUMP # 2 CHANGED SWAB AND VALVE
	07:00 - 08:30		DRL	1	DRILLING FROM 6041' TO 6067'
	08:30 - 09:30		REAM	1	TIGHT HOLE WORK PIPE WASHED AND REAMED TIGHT HOLE AT 6000'
	09:30 - 13:00		DRL	1	DRILLING FROM 6067' TO 6107'
	13:00 - 14:00		CIRC	1	CIRCULATE BOTTOMS UP
	14:00 - 18:30		TRP	14	SHORT TRIP INTO SHOE, SLM
	18:30 - 20:00		RIG	6	SLIP & CUT DRLG. LINE
	20:00 - 23:30		TRP	14	SHORT TRIP TO BOTTOM
	23:30 - 02:00		CIRC	1	CIRCULATE & CONDITION, MIX PILL FOR DRY JOB, FILL TRIP TANK
	02:00 - 02:30		SUR	1	DROP SURVEY TOOL, SURVEY @ 6068'
			TRP	1 -	TRIP OUT
	02:30 - 03:00			2	REPAIR TOP DRIVE HOSE
	03:00 - 04:00		RIG		
	04:00 - 06:00		TRP	2	TRIP OUT
3/5/2007	06:00 - 08:00		TRP	2	TOOH, TO RUN 9 5/8 CASING
	08:00 - 09:30		TRP	1	HELD SAFETY MEETING RIG UP LAY DOWN MACHINE
	09:30 - 12:30	3.00	TRP	1	LAYED DOWN 6 5/8 HWDP, 8 " DRILL COLLARS MONEL, AND MOTOR
					RETRIVED SURVEY DEPTH 6068 DEG9 AZI 149
	12:30 - 13:30	1	отн		RETRIVED, WEAR BUSHING
	13:30 - 15:00	1.50	CSG	1	HELD SAFETY MEETING RIGGING UP CASING CREW, FILL UP TOOL, AND
					STABING BOARD
	15:00 - 03:00	12.00	CSG	2	RUN 140 JTS, 9 5/8 CASING 47#/FT, HCP-110, LT&C
	03:00 - 03:30	0.50	CIRC	1	CIRCULATE & CONDITION, LOST CIRCULATION @ 3300', 55 STKS 194GPM,
					MW-9.8, VIS 43, 7% LCM
	03:30 - 04:30	1.00	CMT	1	R/U HALLIBURTON TO CEMENT, SAFETY MEETING
	04:30 - 06:00	1.50	СМТ	2	CEMENTING 9 5/8 CASING
/6/2007	06:00 - 09:30		CMT	2	CEMENTING
					LEAD- 842 SK, CBM- LIGHT, 10.5 PPG, YIELD 4.14, F/ 3000' T/5100'
					TAIL- 585 SK, 50- 50 POZ, 14.35 PPG, YIELD 1.25, F/5100' T/ 6100'
					BUMPED PLUG- @ 9AM 3-5-07, FLOAT HELD @ 3000PSI, RELEASED
	1				PRESSURE
	09:30 - 10:00	0.50	вор	1	FINISH N/D BOP AND FLOW LINE
	10:00 - 12:00		CSG	7	SET SLIPS, CAMERON ROUGH CUT CASING, SET @ 280K
	12:00 - 14:00		BOP	1	4 BOLT BOP TO L/D DRILL PIPE
				1	L/D & CHANGE OUT ELEVATORS & BAILS
	14:00 - 15:00		CSG	1	
	15:00 - 18:00		TRP	2	TRIP IN TO L/D DRILL PIPE, INSTALL ROTATING HEAD RUBBER
	18:00 - 20:00		TRP	3	R/U L/D MACHINE & LAY DOWN PIPE
	20:00 - 21:30		TRP	2	TRIP IN HOLE
	21:30 - 01:30		TRP	3	LAY DOWN DRILL PIPE, RIG DOWN L/D TRUCK
	01:30 - 06:00		BOP	1	N/D BOP
/7/2007	06:00 - 07:00		BOP	1	FINISH NIPPLE DOWN STACK
	07:00 - 18:00	11.00	LOC	7	FINISH CLEANING PITS, LAY DOWN TESCO TOP DRIVE, INSTALL B SECTION
					& NITE CAP, LOADING OUT RENTALS
/8/2007	06:00 - 18:00	12.00	LOC	4	CLEAN TANKS,RIG DOWN & LOAD OUT TOP DRIVE & RENTALS
/9/2007	07:00 - 18:00	11.00	LOC	4	LOAD OUT RENTALS, INSPECTING DRILL PIPE
/10/2007	07:00 - 18:00	11.00		4	INSPECTING DRILL PIPE 233 JTS.
/11/2007	07:00 - 18:00	11.00		4	PREPARING TO MOVE, FINISH INSPECTING DRILL PIPE 349 JTS. 3 BENT JTS.
3/12/2007	08:00 - 18:00	10.00		4	LAY DERRICK DOWN, LOAD OUT 7 TRUCKS
1/1/2007	06:00 - 18:00	12.00		3	ENSIGN 24-RIG DOWN AND MOVE CAMPS TO LOCATION/RIG UP SAME,
	23.00	.2.30			HAUL TUBULARS IN, OTHER LOCATION 60% RIGGED DOWN AND 40% OFF
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/1/2007	06:00 - 18:00	12.00	LOC	3	LOCATION (BACK YARD IS MOVED OUT) HARD BANDING BHA/HAVE 4 LOADS OF TUBULARS STILL ON OLD LOCATION.
	18:00 - 06:00	12.00			WAIT ON DAYLIGHT
4/2/2007	06:00 - 18:00	12.00	LOC	4	RIG DOWN DERRICK, SUB, MOTOR PACKAGE, 100% RIGGED DOWN AND 100% OFF OLD LOCATION, SET MATTING BOARDS AND BOTTOM SUB, ALL 6" BHA IS HARD BANDED, (RING GROOVE ON SINGLE GATE HAS STUD MARKINGS-FLARED OUT!) MONTORING BACK SIDE-GAINING250 EVERY HALF HOUR AND BLEEDING IT OFF.
	18:00 - 06:00	12.00	OTH		WAIT ON DAYLIGHT
4/3/2007	06:00 - 18:00	12.00		4	SET IN SUBS, MOTOR PACKAGE, MUD TANKS, PUMPS, HOPPER HOUSE, PUT DERRICK TOGETHER, LIGHT PLANT, MUD CLEANING EQUIPMENT, BAR HOPPERS, PREMIX TANK 80% SET IN 25% RIGGED UP, BLEEDING PRESSURE OFF OF LAST WELL EVERY HALF HOUR UNTIL 1900-LETTING PRESSURE BUILD WHILE MONITORING.NOT TO EXCEED 5,000 PSI
	18:00 - 06:00	12.00			WAIT ON DAY LIGHT/ LETTING WELL BUILD UP PRESSURE
4/4/2007	06:00 - 18:00	12.00	LOC	4	GET DERRICK READY AND PUT ON FLOOR, PUT COMPOUND TOGHETHER, SET IN GAS BUSTER LINES/EQUIPMENT, DIESEL TANKS, FIRE LIGHT PLANT, WELD HOLES IN MUD TANKS (BAD SHAPE), STRING CORDS, HOOKING UP LINES/PUMP SHED AND BACK YARD. STRING UP DERRICK (LOAED OUT 105 JT'S DRILL PIPE 4* XT 39 TO RIG 236)
	18:00 - 06:00	12.00	LOC	4	WAIT ON DAY LIGHT
4/5/2007	06:00 - 18:00	12.00	LOC	4	BROKE TOUR TODAY, INSPECT DERRICK TO RAISE AND RAISE DERRICK, RIG UP FLOOR TUGGER AND INSTAL HAND RAILS, UNBRIDLE, LAY DOWN PART OF TRACK THAT WAS BENT FROM LAST WELL, SET IN YELLOW DOG, FILL PITS WITH WATER, CHANGING OIL IN MUD PUMP, HOOK UP STAND PIPE, THERE WAS HANDS STANDING AROUND WATCHING OTHER HANDS ON A JOB THAT SHOULD ONLY TAKE TWO HANDS TO DO. GOT WITH PUSHER AND TOLD HIM THAT HE NEED TO SEPARATE HANDS, ONTO DIFFERENT TASK'S. SO HE STARTED SEPARATING THE HANDS AND PUTTING THEM ON DIFFERNT TASK'S.
	18:00 - 06:00	12.00	LOC	4	RIG UP WET SYSTEM ON BAR HOPPER'S, HOOK UP CHOKE LINE, KILL LINE, CHANGE SWABS, LINERS (SHORT TWO BE HERE THIS AM) RIG UP RETURN LINE ON GAS BUSTER, DRESS SHAKER'S, PUT CULVERT IN FOR MOUSE HOLE
4/6/2007	06:00 - 18:00	12.00	LOC	4	STACK ANNULAR, ROTATING HEAD, CHANGE LINERS/CHANGED PONY ROD SEAL'S IN #1 PUMP, PICK UP TOP DRIVE RAIL AND CENTER RAIL TIGHTEN TURN BUCKLES, INSTALL LANDING AROUND BOPE, PUT IN MOUSE HOLES-HAD PROBLEMS GETTING THE FRONT ONE IN BUT MANAGED TO, (NOTIFIED STONY WITH BLM THAT WE'LL BE TESTING IN THE NEXT 24HR.S), PICK UP SWIVEL, BIULT TROUGH ON BACK SIDE OF PITS TO DIVERT FLUID TO RESERVE PIT.
	18:00 - 06:00	12.00	LOC	4	PICK UP NEW TOP DRIVE (OLD ONE UP FOR SERVICE) HOOK UP TORQUE TUBE GUIDE (DON'T HAVE THE RIGHT CONNECTION BETWEEN SWIVEL AND TOP DRIVE (TOP DRIVE HAS NC 61 THREAD INSTEAD OF A 6 5/8 REG) RUN TOP DRIVE HOSES FIRE UP UNIT AND HOSES LEAKING EVERY WHERE IN NEW TOP DRIVE (NEW TOP DRIVE HAND FIRST TIME RIGGING UP BY HIM SELF-LITTLE LOST), FINALY FINISHED LINERS IN PUMPS, FLOW LINE OFF 5" (WELDER ON HIS WAY).
4/7/2007	06:00 - 09:00	3.00	roc	4	CHANGED VALVE IN FLOW LINE, WELD FLOW LINE, LAY OUT AND MAKE UP FLARE LINES, WORK ON SMALL LEAK'S IN GUN LINES, READY TO PRESSURE TEST @ 900AM
	09:00 - 06:00	21.00	отн		WORKING ON TOP DRIVE (NEW HAND THAT IT WAS HIS FIRST TIME RIGGING UP TOP DRIVE PRESSURED UP UNIT AND BLEW OIL ALL OVER
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/7/2007	09:00 - 06:00	21.00	отн		DIDN'T KNOW WHAT WAS WRONG, JOHN THE HAND THATS BEEN SITTING ON THIS RIG SHOWED UP TODAY AND SUPT. BILL AND ANOTHER HAND. THEY TESTED LINES AND FOUND CHECK VALVE BAD AND SEALS BLOWN IN TOP DRIVE. PULL MOTORS AND REPLACE SEALS
4/8/2007	06:00 - 10:00	4.00	отн		WORK ON TOP DRIVE, FINISH PUTTING IN MOTOR AND TEST LINES AND OPERATIONS OF UNIT ALL WORKING CORRECTLY (TORQUE ALL CONNECTION'S)
	10:00 - 14:00	4.00	вор	1	IPS TIGHTENED CONNECTIONS ON BOPE
	14:00 - 00:00	10.00		2	RIG UP AND PRESSURE TEST TOP DRIVE DOUBLE BALL VALVE DIDN'T TEST CHANGED DOUBLE BALL VALVE AND IT DIDN'T TEST, TEST THIRD VALVE TEST TIW, DART VALVE, BLIND, UPPER AND LOWER PIPES, CHOKE MANIFOLD AND HCR 10 MIN LOW 250 PSI HIGH 10,000 PSI ANNULAR 10 MIN LOW 250 PSI HIGH 5000 PSI,BLM WAS NOTIFIED BY MESSAGE ON PHONE (BLM WAS NOT PRESENT FOR TEST) WHILE TESTING MUDDING UP SURFACE SYSTEM
	00:00 - 05:00 05:00 - 06:00		RIG OTH	2	CLEAN RIG FLOOR OF OIL AND REPLACE DRIVE CHAIN ON DRAWWORKS INSTALL WEAR BUSHING/ WHEN ISTALLING DRILLER TOLD MOTOR HAND TO MAKE SURE KOOMY LEVERS WHERE IN THE OPEN POSTION, BUT THE HCR, WHEN I DISCOVERED THE PROBLEM ALL KOOMY LEVERS WHERE IN THE OPEN POSTION BUT THE ANNULAR IT WAS SHUT
4/9/2007	06:00 - 07:00	1.00	отн		INSTALL WEAR BUSHING, COULDN'T COME OUT OF THE HOLE WITH WEAR BUSHING, LOOK OVER EQUIPMENT AND HYDRILL WAS SHUT, DRILLER TOLD HAND TO OPEN EVERY THING BUT TO SHUT HCR VALVE, HE SHUT THE WRONG VALVE, I DISCUSSED WITH DRILLER AND HANDS NOT TO BE OPERATING FUNTIONS WHILE INSTALLING WEAR BUSHING.
	07:00 - 08:00	1.00	TRP	1	RIG UP LAY DOWN TRUCK, TO PICK UP DRILL PIPE
	08:00 - 08:30	0.50	RIG	2	REPLACE MAKE UP SIDE CABLE, BROKE WHEN MAKING UP BIT
	08:30 - 15:00	6.50	TRP	1	RIG UP LAY DOWN MACHINE AND PICK UP BHA AND 3260' OF 5" DRILL PIPE, TAGGED EARLY AT 4460"/ THAT IS 1539' ABOVE THE FLOAT SHOE
	15:00 - 16:00		CSG	1	RIG DOWN LAY DOWN TRUCK
	16:00 - 17:00	1.00	отн		FILE UNION STARTER THREAD (IT CAME FROM THE REPAIR SHOP WITH OUT ANY PROTECTION ON IT) AND PICK UP KELLY HOSE AND PUT ON SWIVEL
	17:00 - 18:30	1.50	RIG	2	WORK ON AIR LINES BETWEEN MOTOR SHED'S/ SOME CROSSED LINES WHEN #3 MOTOR CLUTCH KICKS IN #2 PUMP COMES ON LINE/ WHEN KICK IN #2 PUMP ENGINE'S THOTTLE UP
	18:30 - 19:30	1.00	CIRC	1	FILL PIPE PRESSURED UP AND NO CIRCULATION
	19:30 - 22:00	2.50	TRP	2	TRIP OUT OF HOLE (WET)
	22:00 - 23:30	1.50	отн		CLEAN RIG FLOOR AFTER WET TRIP AND DRIED MUD FROM DRILL PIPE PACK OFF ON TOP OF MUD MOTOR AND FIRST IBS, BREAK BIT AND CLEAN OUT PLUG JETS (PLUGGED WITH CEMENT)
	23:30 - 00:00	0.50	TRP	2	TRIP IN FIRST STAND AND STAND WITH X-OVER AND PUMP TO SEE IF MOTOR WAS CLEAN (MOTOR WAS GOOD)
	00:00 - 01:30	1.50	TRP	2	TRIP INTO HOLE TO DRILL OUT CEMENT, BREAK CIRC AFTER BHA
	01:30 - 02:00	0.50	отн	1	CHANGE GRABBER DIES IN TOP DRIVE
	02:00 - 03:00	1.00		2	TRIP IN 3 ROWS
	03:00 - 04:00	1.00			INSTALL ROTATING HEAD RUBBER
	04:00 - 04:30		RIG	2	WORK ON SWIVEL PACKING (LEAKING HAD TO HAMMER UP)
	04:30 - 05:00		CIRC	1	BREAK CIRCULATION
	05:00 - 05:30		TRP	2	TRIP IN 3 STANDS
4/10/2007	05:30 - 06:00 06:00 - 10:00		REAM REAM	1	WASHING AND REAMING CEMENT IN CASING FROM 4460 TO 4501 DRILLING CEMENT FROM 4,501 TO 5251 (CEMENT WIPER PLUG WAS @4540)
					CEMENT COMING OVER SHAKERS CLUMPY 1/2-1" CHUNKS (HARD)
					Printed: 7/2/2007 1:06:47 PM

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

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11:00 20:00 20:30 21:00	1.00	DIC		
	0.00	OTH	1	RIG SERVICE GREASE TOP DRIVE AND DRAW TOOL, COMPOUND DRILL CEMENT FROM 5251 TO 6120 @ 5715 SANDY CEMENT STARTED
				COMING OVER SHAKERS (SOFT)
21:00	0.50	CIRC	1	CIRCULATE HOLE CLEAN FOR FIT TEST
	0.50	отн		PERFORM FIT WITH 8.8 MUD WT 850 PSI = EQUIV. 11.5 MUD WT WITH B & C QUICK TEST
01:00	4.00	DRL	1	DRILLING FROM 6120 TO 6241 (ROP 30.25)
02:30	1.50	RIG	2	WORK ON #1- ROD CLAMP AND #2 PUMP- COULDN'T GET TO PUMP AIRED UP/ WENT THROUGH PUMP TO SEE IF THERE WAS SOMING UNDER VALVE COULDN'T FIND ANYTHING
06:00	3.50	DRL	1	DRILLING FROM 6241 TO 6295 (ROP 15.4)
14:30		DRL	1	DRILL FROM 6295 TO 6474 (ROP 21' HR.) (10-15 WOB, 50 TABLE, PUMPING BIT UNBALLING SWEEP'S WHEN NEEDED AND TRICKLE NUT SHELL OVER SUCTION IN TANK, ALSO ON CONNECTIONS DROPPING SOAP STICKS AND SAPP/ SOFT GUMMY CLAY COMING OVER SHAKERS)
15:30	1 00	RIG	1	SERVICE RIG
06:00		DRL	i	DRILL FROM 6474 TO 6775 (ROP 20.75' HR)
09:30		DRL	1	DRILLING FROM 6775 - 6850', 75', 21.42 FPH, 19K WOB, 92 RPM DOWM HOLE, 50 RPM ON SURFACE. HELD STAND DOWN SAFETY MEETING ON 3 ACCIDENTS ON QEP LOCATIONS.
10:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION LOWER PIPE RAMS
14:30		DRL	1	DRILL 6850' - 6945', 95', 23.75 FPH, 19K WOB, 92 RPM DH, 50 RPM ON SURFACE. PUMPING LCM & BIT BALLNG SWEEPS AS NEEDED. CEMENTED BASE PLATE ON WELL HEAD W/ 5 YDS OF REDIMIX FROM PETE MARTIN.
15:30	1 00	SUR	1	WIRELINE SURVEY @ 6874', .5 DEG. @ 147.4
06:00		DRL	1	DRILL 6945' - 7351', 406', 28 FPH, WOB 15-20K, 92 RPM DOWN HOLE, 50 RPM ON SURFACE, STILL PUMPING LCM & BIT BALLING SWEEPS AS NEEDED.
12:00	6.00	DRL	1	TOTAL LOSSES TODAY 200 BBL. DRILL 7351' - 7508', 157', 26.16 FPH, WOB 15-20K, 92 RPM DOWN HOLE, 50 RPM ON MOTOR. SLIGHT BIT BALLING, NO NOTICEABLE LOSSES SO FAR TODAY.
13:00	1 00	SUR	1	WIRELINE SURVEY @ 7438', .6 DEG. 202.
16:30		DRL.	i	DRILL 7508' - 7603', 95', 27.14 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE, 91 DOWN HOLE.
17:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE
06:00	12.50	DRL	1	DRILL 7603' - 7905', 302', 24.16 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE, 91 DOWN HOLE. TOTAL LOSSES TODAY 125 BBL. SLIGHT SEEPAGE HOLE IN GOOD CONDITION. ONLY SMALL SLOUGH & VERY LITTLE OF THAT.
09:00	3.00	DRL	1	DRILL 7905' - 7983', 78', 26 FPH. WOB 15-20K, RPM 141, 50 ON SURFACE & 91 DOWN HOLE. MINIMAL SEEPAGE, NO INCREASE IN SLOUGH.
10:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE
15:00		DRL	1	DRILL 7983' - 8076', 93', 18.6 FPH, WOB 15-21K, RPM 50 ON SURFACE, 91 DOWN HOLE. TOTAL LOSSES TO TRIP = 185 BBL, SEEPAGE & DUMPING SAND TRAPS.
19:30	4.50	TRP	10	PUMP PILL & TOH W/ BIT #13.
20:30		TRP	10	BREAK OFF BIT, PU NEW BIT, FUNCTION BLIND RAMS
00:00	3.50		10	TIH W/ BIT #14, CHANGE OUT CORROSION RING. GOOD TRIP.
00:30	0.50	REAM	1	W&R 90' TO BOTTOM, 10' OF FILL, LOST 30 BBL ON TRIP. 10 BBL OF IT WET PIPE.
06:00	5.50	DRL	1	DRILL 8076' - 8280', 204', 37.09 FPH, WOB 11-15K, RPM 141, 50 ON SURFACE, 91 DOWN HOLE. VERY SLIGHT SEEPAGE.
10:30	4.50	DRL	1	DRILL 8280' - 8453', 173', 38.44 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE & 91 DOWN HOLE, NO NOTICEABLE LOSSES AS OF YET. VERY LITTLE
00	9:30 6:00	0:30 0.50 3:00 5.50	0.50 REAM 5:00 5.50 DRL	0.50 REAM 1 5:00 5.50 DRL 1

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/15/2007	06:00 - 10:30	4.50	DRL	1	SLOUGH.
	10:30 - 11:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE. FUNCTION LOWER PIPE RAMS.
	11:30 - 06:00	18.50	DRL	1	DRILL 8453' - 8818', 365', 19.72 FPH, WOB 15-20k, RPM 141, 50 ON SURFACE,
				1	91 DOWN HOLE. PUMPING BIT BALLING SWEEPS @ 1/2 - 1 HR INTERVALS
					SOME TIMES IT HELPS BUT ONLY FOR 3-4'. VERY SLIGHT SEEPAGE LAST 24 HRS.
4/16/2007	06:00 - 10:00	4.00	DRL	1	DRILL 8818' - 8932', 114', 28.5 FPH, WOB 15-20K, RPM 141, 50 ON SURFACE,
					91 DOWNHOLE. STILL PUMPING BIT BALLING SWEEPS @ 1/2 - 1 HR
					INTREVALS. SEEPAGE MINIMAL
	10:00 - 11:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION ANNULAR & CHECK CROWN-O-MATIC
	11:00 - 06:00	19.00	DRL	1	DRILL 8932' - 9511', 579', 30.47 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
					100 DOWN HOLE INCREASED PUMPS TO 418 GPM. VERY SLIGHT SEEPAGE.
4/17/2007	06:00 - 09:30	3.50	DRL	1	DRILL 9511' - 9608', 97', 27.71 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
			ļ		100 DOWN HOLE. BIT JUST KEEPS HANGING IN. SEEPAGE MINIMAL.
	09:30 - 10:00	0.50	RIG	2	CHANGE FILTER ON CHAIN OILER ON COMPOUND.
	10:00 - 12:30		DRL	1	DRILL 9608' - 9704', 96', 38.4 FPH, WOB 15-20K, RPM 150, 50 ON SURVACE,100
					DOWN HOLE
	12:30 - 13:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE, ADJUST BRAKES, ADD SAFETY CHAINS TO BALE
					EXTENSION, & FUNCTION LOWER PIPE RAMS.
	13:30 - 06:00	16.50	DRL	1	DRILL 9704' - 10200, 496', 30.06 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
					100 DOWN HOLE. HOLE TAKING A LITTLE MORE FLUID THE LAST 3 HRS,
					ABOUT 10 BBL, PUMPED 10% LCM SWEEP, STILL PUMPING BIT BALLING
			}		SWEEP EVERY HALF HR SINCE 22:00. FIRST TIGHT CONN @ 10181' ABOUT
			1		25K OVER, REAMED BACK THROUGH IT AND DIDN'T SEE IT.
4/18/2007	06:00 - 09:30	3.50	DRL.	1	DRILL 10200' - 10342', 142', 40.6 FPH, WOB 15-20K, RPM 150, 50 ON SURFACE,
	00.00	0.00			100 DOWN HOLE, TRIPPING BIT ON HOURS ONLY.
	09:30 - 10:30	1.00	CIRC	1	CIRC BOTTOMS UP.
	10:30 - 11:00	0.50			DROP SURVEY @ 10362' .6 202, SAME AS LAST SURVEY. DRILLER CHECKED
	10.00	****			SURVEY, WHEN I CHECKED IT IT WAS 89.6 @ 68.9, POSSIBLE MIS-RUN. I
					THINK IT TOOK A SURVEY ON THE BENCH, BUT CAN'T TELL FOR SURE.
	11:00 - 18:00	7.00	TRP	10	PUMP PILL, TOH W/ BIT #14, PULL ROTATING HEAD RUBBER, BREAK OFF
					BIT, LD MUD MOTOR.
	18:00 - 19:00	1.00	TRP	10	PU NEW BIT # 15, NEW MOTOR, & TIH TO JARS. JARS HAD TOP SEAL OUT OF
					MANDREL, LD JARS. #1 4/17/07
	19:00 - 20:00	1.00	RIG	6	SLIP & CUT DRILLING LINE, 180'
	20:00 - 21:00	1.00	RIG	1	SERVICE RIG, TOP DRIVE, & FUNCTION ANNULAR
	21:00 - 22:00		WOT	5	WO. STRAP & PU JARS. #2 4/17/07
	22:00 - 03:30		TRP	10	TIH, BREAK CIRC AT BHA, & EA. 3 ROWS TO BOTTOM 1 STAND OFF BOTTOM
	22.00 00.00	0.00		' -	TIGHT, PACKED OFF.
	03:30 - 05:00	1.50	FISH	6	WORK TIGHT HOLE, SET OFF JARS 3 TIMES EASY, FOUND FREE SPOT,
					BREAK CRC. BACK REAM OUT TO 10208'
	05:00 - 06:00	1.00	REAM	1	W&R 10208' - 10300'
4/19/2007	06:00 - 07:00		REAM	1	W&R 10300' - 10342, 36' OF FILL, LOTS OF PRESSURED SLOUGH BUT
4/13/2001	00.00 07.00			1	NOTHING LARGE.
	07:00 - 12:00	5.00	DRL	1	DRILL 10342' - 10541', 199', 39.8 FPH, WOB 15-20K, RPM 124, 65 ON SURFACE,
	07.00			1	59 DOWN HOLE. NO NOTICABLE SEEPAGE TO THIS POINT. BOP DRILL.
	12:00 - 13:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION PIPE RAMS
	13:00 -		DRL	1	DRILL 10541' - 11060, 519', 30.52 FPH, WOB 15-20K, RPM 110, 50 ON
	.0.00		1	Ι΄.	SURFACE, 60 DOWN HOLE, NO NOTICEABLE SEEPAGE LAST 24
			1		HRS.PUMPING BIT BALLING SWEEPS IN SLOW DRILLING SPOTS.
4/20/2007	06:00 - 10:30	4.50	DRL	1	DRILL 11060' - 11207', 147', 32.66 FPH, WOB 15 - 20K, RPM 110, 50 ON
412012001	00.00 - 10.30	7.50	"	Ι'	SURFACE, 60 DOWN HOLE, NO NOTICEABLE SEEPAGE TO THIS POINT.
		<u></u>	L		Printed: 7/2/2007 1:06:47 PM

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Questar E & P **Operations Summary Report**

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/20/2007	10:30 - 11:30 11:30 - 14:00		RIG DRL	1	SERVICE RIG & TOP DRIVE, FUNCTION ANNULAR, ADJUST BRAKES. DRILL 10207' - 11301', 94', 37.6 FPH, WOB 15-20, RPM 100, 50 ON SURFACE, 60 DOWN HOLE, TOP DRIVE WILL NOT TURN OVER 50 RPM ON SURFACE. IT WILL TURN 70 OFF BOTTOM BUT FALLS TO 50 WHEN YOU PUT IT ON BOTTOM.
	14:00 - 18:00	4.00	RIG	8	REPLACE AIR VALVE & LINDE PUMP ON TOP DRIVE.
	18:00 - 05:00	11.00	DRL	1	DRILL 11301' - 11488', 187', 17 FPH, WOB 15-20K, RPM 120, 60 DOWN HOLE, 60 ON SURFACE. HOLE STARTED TAKING FLIUD @ 11380', SHOW 11382' - 11400' 600u, 6637u, 3800u. TRIED TO GO THROUGH BUSTER BUT ROTATING HEAD LEAKING BAD.
	05:00 - 06:00	1.00	RIG	4	CHANGE OUT ROTATING HEAD, SEAL GONE WHEN WE PULLED HEAD, DON'T THINK ONE WAS INSTALLED AFTER LAST TRIP.
4/21/2007	06:00 - 09:00	3.00	DRL	1	DRILL 11488' - 11561', 73', 24.33 FPH, WOB 15-20K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. ROTATIG HEAD LOCKED UP, WORE RUBBER OUT.
	09:00 - 10:00	1.00	RIG	4	CHANGE OUT ROTATING HEAD RUBBERS.
	10:00 - 13:00		DRL	1	DRILL 11561' - 11614', 53', 17.66 FPH, WOB 15-20K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. LOSSES SEEM TO BE SLOWING.
	13:00 - 14:00		RIG	1	SERVICE RIG & TOP DRIVE.
	14:00 - 00:30	10.50	DRL	1	DRILL 11614' - 11724 110',10.47 FPH, WOB 20-25K, RPM 119, 60 ON SURFACE, 59 DOWN HOLE. LOOSING ABOUT 2-4 BBL HR OF FLUID, RAISING MW TO CONTROL GAS, DRILLING FLARE 15-25', CONN FLARE 35'
	00:30 - 06:00	5.50	CIRC	1	DRILLING SLOWED TO 4 FPH, SHUT DOWN TO RAISE MW F/ BIT TRIP. BBG THROUGH BUSTER 1500 - 2500u MW 10.2, HEADED F/ 10.4. BYPASSED SHAKERS TO KEEP LCM IN SYSTEM.
4/22/2007	06:00 - 23:30	17.50	CIRC	1	C&C F/ BIT TRIP. MW HEADED F/ 10.2 - 10.8. GAS @ 10.8 IS STILL 725u THROUGH THE BUSTER, SPOTTED 160 BBL OF 12.2PPG MUD ON BOTTOM. ESTIMATE TOP OF PILL @ 9981'
	23:30 - 01:00	1.50	TRP	10	TOH 22 STANDS SLOW & WET. TO 9653', GAINED 8 BBL OF FLUID PULLING 22 STANDS.
	01:00 - 04:00	3.00	CIRC	1	CIRC BOTTOMS UP TO CLEAN UP GAS. GAS ON BUSTER 650u. MIXED PILL WHILE CIRC.
	04:00 - 06:00		CIRC	1	CHECK F/ FLOW, FLOWING 1/2" STREAM, RAISING MW TO 11.0 PPG.
4/23/2007	06:00 - 00:00		CIRC	1	C&C, RAISING MW F/ 10.8 - 11.8, HAD 11.7 COMMING BACK & LOST COMPLETE RETURNS @ 23:49 LCM 12%
	00:00 - 01:00		CIRC	2	MIXING LCM & MUD, LETTING MW DROP BACK TO 11.7 BRINGING LCM TO 15%
	01:00 - 06:00	5.00	CIRC	1	C&C, BUILD VOLUME, WT @ 11.7, LCM @ 20%, LOSSES @ 17 BPH, SEEM TO BE SLOWING A LITTLE, AROUND 7 BPH AS NEAR AS I CAN TELL AT THIS TIME.
4/24/2007	06:00 - 13:30	7.50	CIRC	1	C&C, MIXING MUD & BUILD VOLUME. CHECKED FLOW @ 08:00, NO FLOW. C&C BUILD PREMIX, GUN LINES PLUGGED OFF, & BAR HOPPER @ PREMIX PLUGGING @ 4X3" SAWGE. CHECKED F/ FLOW @ 11:15, FLOWING 1" STREAM & SURGING TO 4"-6" STREAM FIRST TIME WE HAVE SEEN THIS SURGING. TAKING PREMIX TO 12.2 PPG W/ 30% LCM.
	13:30 - 14:00	0.50	RIG	1	SERVICE RIG & TOP DRIVE, FUNCTION HCR VALVE, CHECK FLOW, NO FLOW. 11.8PPG MW.
	14:00 - 18:00	4.00	CIRC	1	C&C, BUILD PREMIX, 12.2 PPG MW, 30% LCM & SPOT F/ 9653' - 6745' CALCULATED OH.
	18:00 - 03:30		TRP	10	TOH TO 6107', PUMP TRIP PILL. CONTINUE W/ SLOW TOH, LD BIT & MOTOR. NO LOSSES ON TOH.
	03:30 - 06:00	2.50	TRP	10	PU HUNTING .22 MOTOR SN 6142 , DOG SUB, HTC 406Z BIT SN 7301750 BIT #16, & TIH SLOW

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/25/2007	06:00 - 08:30		TRP	10	TIH SLOW, BREAK CIRC EVERY 3 ROWS TO SHOE
	08:30 - 09:00		TRP	10	CHANGE OUT ROTATING HEAD
	09:00 - 10:00	1.00	CIRC	1	CIRCULATE BOTTOMS UP @ THE SHOE, GAS PEAKED @ 4899u, 10-15' FLARE.
	10:00 - 16:00	6.00	TRP	10	TIH CIRCULATING BOTTOMS UP EVERY ROW , BOTTOMS UP FLARE ON LAST ROW 40 + 44 BBL GAIN.
	16:00 - 17:00	1.00	REAM	1	W&R 470' TO BOTTOM, 36' OF FILL BOTTOMS UP FLARE 50', GAINED 55 BBL.
	17:00 - 18:00	1.00	CIRC	1	CIRC OUT GAS.
	18:00 - 06:00	12.00	DRL	1	DRILL 11724' - 11839', 115', WOB 18-25K, RPM 142, 92 DOWN HOLE, 50 ON SURFACE NO LOSSES THIS MORNING. MW 12.0, LCM 25% STILL BY PASSING SHAKERS.
4/26/2007	06:00 - 12:30	6.50	DRL	1	DRILL 11839' - 11867', 28',4.3 FPH, WOB 25K, RPM 142, 92 DOWN HOLE, 50 ON SURFACE. PLAYED W/ RPM & WOB BUT THATS ALL WE COULD GET OUT OF THIS BIT.
	12:30 - 13:30	1.00	SUR	1	DROP SURVEY @ 11797' (MISS RUN)
	13:30 - 14:30		CIRC	1	CIRC & FINISH MIXING TRIP PILL.
	14:30 - 18:00	3.50	TRP	10	TRIP OUT OF HOLE SLOW
	18:00 - 21:00	3.00	TRP	1	TRIP OUT OF HOLE
	21:00 - 21:30	0.50	TRP	1	CHANGE OUT BIT'S/ RETREIVE SURVEY/ FUNTION TEST BLINDS AND PIPE RAMS
	21:30 - 02:00	4.50	TRP	10	TRIP IN HOLE TO SHOE, FILL EVERY 3 ROWS, INSTALL ROT. RUBBER
	02:00 - 02:30	0.50	CIRC	1	CIRCULATE BOTTOMS UP @ SHOE 110 PEAK GAS
	02:30 - 05:30	3.00	TRP	10	TRIP IN HOLE FILL PIPE AND BREAK CIRCULATION 8785,10,794
	05:30 - 06:00	0.50	CIRC	1	CIRCULATE/ WASH @ 10,794
4/27/2007	06:00 - 07:00	1.00	TRP	10	TRIP IN HOLE TO 11744
	07:00 - 08:00		REAM	1	WASH AND REAM FROM 11,744 TO 11,867 25 FT FILL
	08:00 - 13:00	5.00	DRL	1	DRILL FROM 11,867 TO 11,924 (ROP 11.4) (STARTED SHAKIING OUT LCM SLOWLY OVER 1 SHAKER @ 10:30 am) MW 11.7/GAS 180 UNIT'S/ ON CONNECTION WORKED THROUGH TIGHT SPOT @ 11,890 UP TO 11,870
	13:00 - 14:00	1.00	RIG	1	RIG SERVICE (SERVICE TOP DRIVE, COMPOUND)
	14:00 - 18:00	4.00	DRL	1	DRILL FROM 11,924 TO 11,965 (ROP 10.25 FT HR)
	18:00 - 06:00	12.00	DRL	1	DRILL FROM 11,965 TO 12,076 (ROP 9.25 FT HR) SLOWWED TO 4-5 FT HR FROM 11,975-12,003
4/28/2007	06:00 - 13:00	7.00	DRL	1	DRILL FROM 12,076 TO 12,209 (ROP 19 FT HR) SHAKING LCM OUT DOWN TO 8-10% WOB 10-15, DHRPM 142, STARTED SEEPING WHEN WT UP TO 11.7+,
	13:00 - 14:00	1.00	RIG	1	SERVICE RIG, TOP DRIVE, (REPLACE QUIK RELEASE ON #1 MOTOR CLUTCH)
	14:00 - 18:30	4.50	DRL	1	DRILL FROM 12,209 TO 12,256 (ROP 10.4 FT HR) HIT BLACK HAWK SAND TOOK KICK
	18:30 - 02:30	8.00	CIRC	1	CIRCULATE THROUGH CHOKE WEIGHTING UP MUD SLOWLY 1-2 POINTS A CIRCULATION NOT WANTING TO KNOCK THE BOTTOM OUT/ BRING UP LCM TO 20%-25%
	02:30 - 06:00	3.50	CIRC	2	STARTED LOSSING CIRCULATION WHEN MUD WEIGHT REACHED 12.3 PPG,SLOWWED PUMP DOWN AND PUMP HI LCM SWEEP,
4/29/2007	06:00 - 02:30	20.50	CIRC	2	FIGHT LOST CIRCULATION, PIPES SHUTIN AND GAS SOMETIMES OVER 3000 UNIT'S, PUMPING LCM SWEEPS EVERY HALF HOUR AND BRINGING MUD WEIGHT UP 1 POINT PER CIRCULATION WHILE GOING THROUGH CHOKE,
	02:30 - 06:00	3.50	DRL	1	DRILL FROM 12,256 TO 12,285 (ROP 8.25 FT HR) BRING WT UP TO CONTROL BACK GROUND GAS
4/30/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 12,285 TO 12,303 (ROP 9 FT HR.) 2-3 BBL LOSS 25-28% LCM,
	08:00 - 09:00	1.00		1	SERVICE RIG AND TOP DRIVE, COMPOUND, BLOCKS
	09:00 - 06:00	21.00	DRL	1	DRILL FROM 12,303 TO 12,471' (ROP 8' FT. HR.) 2-3 BBLS LOSS
5/1/2007	06:00 - 08:00	2.00	DRL	1	DRILL FROM 12,470 TO 12,490 (ROP 10' HR) MW 12.7/WOB 20-25/ DHRPM 130
		4			Printed: 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/1/2007	06:00 - 08:00	2.00	DRL	1	SHAKE LCM OUT TO 10% LCM IN SYSTEM
	08:00 - 21:00	13.00	RIG	2	REPAIR RIG/MASTER CLUTCH BOOT HAS HOLE IN IT, (NEW ONE COMING FROM CASPER AND TWO MECHANICS)
	21:00 - 06:00	9.00	DRL	1	DRILL FROM 12,490 TO 12,600 (ROP 12.2 HR) MW 12.7/WOB 20-25/DHRPM
					130
5/2/2007	06:00 - 08:30		DRL	1	DRILL FROM 12,600 TO 12,612 (ROP 4.8 FT HR)
	08:30 - 10:30		CIRC	7	CIRCULATE BOTTOMS UP FOR SAMPLE/MUD LOGGER SHORT TRIP OUT 50 STANDS SLOW BECAUSE OF AIR ISSUES WITH
	10:30 - 17:00	6.50	RIG	2	MASTER CLUTCH (WHEN THEY THROTTLE UP ON DRAWWORKS ABOUT HALF THROTTLE IT KICK'S OUT THE MASTER CLUCH), (TIGHT SPOTS WERE AT 12,225 TO 12,12,215 AND 11,960 TO 11,950 AND 11,925 TO 11,910) WORK UP AND DOWN THROUGH TIGHT SPOTS/ WHILE TRIPPING ALSO WAS
					TRYING TO WORK ON MASTER CLUTCH TO FIGURE OUT PROBLEM WITH IT,
	17:00 - 21:00	4.00	TRP	14	TRIP IN HOLE 50 STANDS BREAKING CIRCULATION EVERY 22 JT.S/ WASHED 25' OF SOFT FILL(MOTOR IS REAL WEAK)
	21:00 - 02:30	5.50	CIRC	1	CIRCULATE AND GET MUD PROPERIES INTO SHAPE(12.7+) BOTTOMS UP
	02:20 02:20	1.00	CIRC	1	FLARE 25'-30'/PIT GAIN 86 BBL.S/ WITH ECD.S FLARE IS 2-3' FLOW CHECK - OK - DROP SURVEY
	02:30 - 03:30 03:30 - 06:00		TRP	2	TRIP OUT OF HOLE TO RUN 7" LINER & STRAP OUT OF HOLE
3/2/2007	06:00 - 12:30		TRP	2	TRIPPING OUT OF HOLE TO RUN CASING LINER STRAPPING OUT OF HOLE
0,0,200.	00.00 - 12.00	0.00			SLM-12,604/ NO CORRECTION) ,(TRIPPING SLOW BECAUSE OF MASTER CLUTCH TROUBLE ON RIG)
	12:30 - 17:30	5.00	TRP	1	RIG UP LAY DOWN TRUCK AND LAY DOWN BHA (WET)
	17:30 - 17:30		отн	1'	PULL WEAR BUSHING
	18:00 - 19:30		CSG	1	HELD SAFETY MEETING/RIG UP ROCKY MTN. CASING CREW
	19:30 - 04:00		CSG	2	RUN 7" CASING LINER,162 JTS (84 JTS 29# P110/78 JT'S 26# P110) BREAK CIRCULATION EVERY 25 JT'S
	04:00 - 05:00	1.00	csg	2	R/D CASING EQUIPMENT, FILL UP TOOL & LAY DOWN MACHINE
	05:00 - 06:00		CSG	2	MAKE UP LINER HANGER ASSEMBLY
/4/2007	06:00 - 06:30		CSG	1	RIG DOWN CASING CREW
	06:30 - 07:30		CIRC	1	CIRCULATE BOOTMS UP ON FIRST STAND OF DRILL PIPE
	07:30 - 12:30		CSG	4	TRIP IN HOLE 59 STANDS/FILL EVERY TEN STANDS(BREAK CIRCULATION)
	12:30 - 13:30 13:30 - 19:30		CSG	1	WASH DOWN 3 STANDS CIRCULATE WHILE RECIPROCATING LINER/SHAKE OUT LCM IN PIT SYSTEM
	13.30 - 19.30	0.00	Circo	Ι'	LOST APOX 650 BBL
	19:30 - 20:00	0.50	CSG	4	HANG LINER WITH SMITH HAND
	20:00 - 00:30	4.50	CMT	2	HELD SAFETY MEETING AND CEMENT WITH HALLIBURTON (LOST RETURN'S 59 BBL INTO DISPLACEMENT)
					PUMP CEMENT & DISPLACE CMT IN PLACE @ 0030 HRS BUMPED PLUB W/ 500 PSI OVER CIRULATION
					FLOAT HELD LEAD CEMENT TOTAL 1300 SACKS 4% GEL, 20% SSA-1, 3 LBS/SK SIL6% HALAD-344, .2% SUPER
					TAIL CEMENT TOTAL 100 SACKS 2% GEL, 20% SSA-1, 3 LBS/SK SIL., 5%
		i			HALAD-344,.2% HALAD-413,.2%HR
	00.00 04.55		CMT		12, .7% SUPER CBL, .2% SUSPEND-HT LAY DOWN CEMENTING HEAD & HAL. CEMENT LINES
	00:30 - 01:00 01:00 - 01:30		CMT	1 2	PULL 5 STANDS
	01:30 - 01:30		CIRC	1	CIRCULATE 2X BOTTOMS UP
	03:00 - 06:00		TRP	2	TRIP OUT OF HOLE W/ 7" LINER RUNNING TOOL & LAY DOWN RUNNING
	00.00 - 00.00	5.50	l	1	TOOL ASSEMBLY
5/5/2007	06:00 - 07:00	1.00	CSG	4	TRIP OUT AND LAY DOWN 7" LINER HANGER
	07:00 - 08:30	1.50		2	PICK UP PILOT AND POLISH MILL FOR TOP OF LINER AND TRIP IN HOLE TO CLEAN TOP OF LINER
	}				Printed: 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/5/2007	08:30 - 09:30		отн		CUT AND SLIP DRILLING LINE
	09:30 - 10:30		RIG	1	SERVICE RIG AND TOP DRIVE
	10:30 - 11:00	0.50	TRP	2	TRIP IN AND TAG TOP WITH POLISH MILL (NO ROTATION)
	11:00 - 14:00	3.00	отн		STING INTO LINER TOP/ ROTATE TORQUING UP (MEASURED OUT TO BE
			ŀ		MILL IN IN LINER CATCH WOULD HANG UP IF PIPE WASN'T ROTATING,
					MILLED AND WORK UP AND OWN THROUGH ROTATING, COULD WORK UP
		1			AND DOWN THROUGH FULL STROKE OF CLEAN OUT TOOL WITH NO
					PROBLEMS,
	14:00 - 16:30	2.50	TRP	2	TRIP OUT OF HOLE TO SEE WHAT MILL LOOKS LIKE/HAD LITTLE WEAR/
					LAYDOWN CLEAN OUT TOOL
	16:30 - 21:30	5.00	TRP	2	TRIP IN (SLOW) WITH PACKER TO SET IN LINER HANGER
	21:30 - 00:30	3.00	CSG	4	STING IN AND SET PACKER SEAL ASSEMBLY/ PRESSURE TEST SEALS 300
				1	PSI AND POSITIVE TEST @ 1500 PSI FOR 30 MIN.
	00:30 - 01:00	0.50	отн	1	PULL OUT TWO STANDS TO DO A NEGITIVE TEST ON LINER LAP
	01:00 - 02:30		отн	1	FILL PILL TANK WITH WATER TRUCK AND DISPLACE MUD OUT OF HOLE
					FOR NEGITIVE TEST ON LINER PACKER
	02:30 - 03:30	1.00	DEQ	2	CARRY OUT NEGATIVE TEST ON 7' LINER & PACKER - OK -
	03:30 - 05:00		CIRC	1	CIRCULATE OUT WATER & DISPLACE WELL TO 12.7 MUD.
	05:00 - 06:00		RIG	2	WORK ON MASTER CLUTCH
5/6/2007	06:00 - 06:00	24.00		2	REPAIR MASTER CLUTCH ON COMPOUND AND AIR LINES- WHILE WORKING
-				1	ON MASTER CLUTCH CLEANED MUD TANKS & BUILD MUD VOLUME
5/7/2007	06:00 - 20:30	14.50	RIG	2	WORK ON MASTER CLUTCH (ROADS WERE CLOSED, COULDN'T BRING
		ł			CLUTCH OUT OF CASPER ROADS OPENED UP AROUND 9:00 AM CLUTCH
		ì			SHOWED ON LOCATION @ 16:30)/CHANGED OUT LINER'S IN PUMP TO 5"
	20:30 - 01:30	5.00	TRP	3	LAY DOWN DRILL PIPE IN MOUSE HOLE WHILE WAITING ON LAY DOWN
	•		ĺ		TRUCK (DO TO RIG REPAIR/DIDN'T KNOW WHEN THE RIG WAS GOING TO
			!		RUN PROPERLY)
	01:30 - 02:30	1.00	TRP	3	RIG UP LAY DOWN TRUCK
	02:30 - 03:00	0.50	TRP	3	LAY DOWN 5" DRILL PIPE USING L/D TRUCK TO 300'
	03:00 - 03:30	0.50	TRP	2	REMOVE ROTATING HEAD
	03:30 - 04:00	0.50	TRP	3	CONTINUE TO LAY DOWN 5" DRILL PIPE USING LAY DOWN TRUCK
	04:00 - 04:30	0.50	TRP	3	RIG DOWN LAY DOWN EQUIPMENT
	04:30 - 06:00	1.50	TRP	3	TRIP IN HOLE TO LAY DOWN DRILL PIPE
5/8/2007	06:00 - 06:30	0.50	TRP	2	TRIP IN HOLE 55 STANDS TO LAY DOWN
	06:30 - 09:30	3.00	TRP	3	LAY DOWN 5" DRILL PIPE
	09:30 - 10:00	0.50	TRP	2	TRIP IN HOLE 11 STANDS TO LAY DOWN
	10:00 - 11:00		TRP	3	LAY DOWN 5" DRILL PIPE
	11:00 - 12:00		отн	1	CHANGE SAVER SUB AND GRABBER DIES (CHANGE TO 4" TOOLS)
	12:00 - 19:00		BOP	2	TEST BOP TO 10,000 PSI AND 250 PSI LOWS (TOP AND BOTTOM PIPE RAMS,
					BLIND RAMS, HCR, CHOKE MANIFOLD, TOP DRIVE VALVES, TIW, DART
			1		VALVE) 7500 PSI AND 250 LOW (ANNULAR), CASING TEST 1500 PSI FOR 30
					MIN.
	19:00 - 19:30	0.50	отн		INSTALL WEAR BUSHING
	19:30 - 21:00		TRP	2	RIG UP AND PICK UP BHA AND 4" DRILL-DRIFTING-
	21:00 - 21:30		OTH		INSTALL ROTATING RUBBER
	21:30 - 01:00	3.50	TRP	2	PICK UP 4" DRILL PIPE BREAK CIRCULATION (EVERY 1000')
	01:00 - 02:00	1.00	TRP	2	STRAP 140 JTS OF 4" DRILL PIPE ON PIPE RACK
	02:00 - 06:00	4.00	TRP	2	CONTINUE TO PICK UP 4" DRILL PIPE
5/9/2007	06:00 - 08:30		TRP	2	PICK UP 4" DRILL PIPE-DRIFT SAME-CIRCULATE EVERY 30 JOINTS
	08:30 - 09:30		TRP	2	RACK AND STRAP DRILL PIPE
	09:30 - 13:30		RIG	2	WENT TO AJUST BRAKES AND BRAKE BLOCK FELL OUT OF BAND (PULL
	12.122				AND VISUAL INSPECT BANDS (PUT NEW BRAKE BLOCK'S ON-BURN IN THE SAME)
				<u> </u>	

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/9/2007	13:30 - 17:00	3.50	TRP	2	PICK UP 4" DRILL PIPE -DRIFT
	17:00 - 18:00	1.00	CSG	1	RIG DOWN LAY DOWN TRUCK
	18:00 - 19:30	1.50	DRL	4	DRILL OUT LAND COLLAR @ 12520, FLOAT SHOE @ 12,563,SHOE @12,607 (CEMENT WAS SOFT EASY DRILLING/SURFACE SAMPLES ARE DRY BUT PRETTY FLAKY)
	19:30 - 20:00	0.50	DRL	1	DRILL FROM 12612 TO 12617
	20:00 - 21:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP TO PERFORM FIT TEST
	21:30 - 22:00	0.50	EQT	2	FORMATION INTEGRITY TEST 2000 PSI WITH 12.6 MUD WT=EQUIV. TO 15.64 MW
	22:00 - 04:30	6.50	TRP	2	TRIP OUT OF HOLE TO RUN LOGS THROUGH CASING/ PULL ROTATING HEAD
	04:30 - 06:00		LOG	2	HELD SAFETY MEETING W/ SCH. LOGGING CREW - RIG UP LOGGING EQUIPMENT & P/U LOGGING TOOLS
5/10/2007	06:00 - 22:00		LOG	2	LOGGING IN CASED HOLE W/ SWS, SONIC SCAN - CBL-VDL-P/S TD - BSC. LTD 12596'
	22:00 - 23:00		LOG	2	RD LOGGERS
	23:00 - 06:00	7.00	TRP	10	PU BI-CENTER BIT, MUD MOTOR, & TIH, RAN BHA & 1 ROW OF DP, FILL PIPE & BREAK CIRC, THEN EA. 3 ROWS. TAKING AN HOUR TO FILL PIPE, #1 PUMP NOT PUMPING, & DRILLER FORGOT TO OPEN MUD VALVE & BLEW A NAIL LAST FILL.
5/11/2007	06:00 - 07:30	1.50	TRP	10	TIH, FILL PIPE EA 2 ROWS, INSTALL ROTATING HEAD
0.12001	07:30 - 09:30		RIG	2	TAG BOTTOM, WORK ON PUMPS, PRESSURED UP.
	09:30 - 10:30	1	CIRC	1	C&C, MIX & PUMP PILL
	10:30 - 17:00		TRP	10	TOH F/ EXCESS PRESSURE. 4 NOZZLES PLUGGED DRY FIRST 20 STANDS, THEN CAME WET THE REST OF THE WAY OUT.
	17:00 - 18:30	1.50	TRP	10	PU & MU NEW BIT, LOST SLIP SEGMENT DOWN HOLE.
	18:30 - 20:30		WOT	4	LD MUD MOTOR & BIT, WO JUNK BASKET
	20:30 - 01:30		TRP	2	PU MILL TOOTH BIT, JUNK SUB, BIT SUB, & TIH RAN BHA & 1 ROW DP FILL PIPE, THEN FILL PIPE EA. 4 ROWS
	01:30 - 02:30		OTH		CHANGE OUT SAVER SUB
	02:30 - 06:00		TRP	2	TIH, FILL PIPE EA. 4 ROWS.
5/12/2007	06:00 - 06:30		TRP	3	TIH W/ JUNK SUB
	06:30 - 07:00		REAM	1	W&R 50' TO BOTTOM, 5' FILL
	07:00 - 09:30	2.50	DRL	1	WORK JUNK BASKET, NO EXCESS TORQUE AT ANY TIME WHILE WORKING OR WHILE DRILLING 17" OF NEW HOLE IT WAS AS IF SEGMENT WAS NOT THERE. ONE HAND SWEARS HE SAW IT HIT THE MUD IN THE ANNULAS SO DON'T KNOW WHAT TO MAKE OF IT.
	09:30 - 11:30	200	CIRC	1	CIRC BOTTOMS UP & PUMP PILL F/ TOH
	11:30 - 12:00		RIG	2	REPLACE CHAIN ON PIPE SPINNERS, DIDN'T HAVE A NEW ONE ON LOCATION, HAD TO WAIT FOR IT TO BE DELIVERED BEFORE WE COULD REPLACE IT, USING SPINNERS TO BACK OUT DP JUST IN CASE.
	40.00 45.00	2.00	TRP	2	TOH W/ JUNK BASKET
	12:00 - 15:00		RIG	2	REPAIR CHAIN ON SPINNER
	15:00 - 15:30		TRP	2	TOH W/ JUNK BASKET & FILL TRIP TANK
	15:30 - 17:00			2	REPLACE CHAIN ON SPINNERS
	17:00 - 17:30 17:30 - 20:30	3.00	RIG	2	FINISH TOH W/ BASKET, EMPTY CONTENTS, FOUND 5 PC OF STEEL, 1 PC OF TONG DIE ABOUT 1 1/2" LONG W/ A LARGE SCRAP THAT WOULD MATCH UP
					W/ CUTTERS ON BI-CENTER, & 4 SMALLER PCS. BIT HAD NO JUNK MARKS ON IT AT ALL. ALSO BROUGHT OUT 23 PCS OF ALUMIINUM THE LARGEST IS ABOUT 1 1/4" x 3/4" X 1/4"
	20:30 - 22:30 22:30 - 06:00		RIG TRP	2 2	REPLACE TABLE LOCK ON BREAK OUT SIDE. PU BI-CENTER BIT, MUD MOTOR, XO & TIH, RAN BHA & 1 ROW, FILL PIPE & CIRC THEN RUN 4 ROWS AT A TIME, FILL PIPE & CIRC.
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/13/2007	06:00 - 13:30	7.50	DRL	1	DRILL 12634' - 12797', 163', 21.73 FPH, WBO 10-11K, RPM 60 ON SURFACE, & 59 DOWN HOLE. 227 GPM.
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE
	14:30 - 06:00	15.50		1	DRILL 12797' - 13155', 356', 22.96 FPH, WOB 8-12, RPM 120, 60 ON SURFACE & 60 DOWN HOLE. 230 GPM, LOWER WT SEEMS TO DRILL SLOWER, HOPE TO
5/14/2007	06:00 - 13:30	7.50	DRL	1	BE @ CORE POINT AROUND 18:00 THIS EVENING. DRILL 13155' - 128', 17.06 FPH, WOB 8-12, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM.
	13:30 - 14:30	1.00	RIG	1	SERVICE RIG & TOP DRIVE
	14:30 - 20:00		DRL	i	DRILL 13283' - 13275', 92', 16.72 FPH, WOB 8-14, RPM 120, 60 ON SURFACE, 60 DOWN HOLE. 230 GPM.
	20:00 - 00:30	4.50	CIRC	1	C&C F/ CORE, MIX PILL.
	00:30 - 01:00		SUR	1	DROP SURVEY @ 13313', CHECK FLOW, FLOWING 1/2" STREAM FOR 30 MIN.
	01:00 - 05:00		CIRC	i	BRING PREMIX TO 13.6 PPG, & SPOT 250 BBL OF 13.6 PPG MUD ON BOTTOM F/ TOH BOTTOMS UP FLARE 8', 3000U+ BUG SPIKE AT BOTTOMS UP.
5/15/2007	06:00 - 10:00	4.00	TRP	2	TOH F/ CORE #1 CAME WET @ STAND # 80 OUT.
	10:00 - 11:30		CIRC	1	C&C, MIX #2 PILL
	11:30 - 13:30	2.00	TRP	2	FINISH TOH F/ CORE #1, STILL WET AT TIMES. RETRIEVE MULTISHOT SURVEY TOOL, SURVEY @ 13313' 2.3 DEG, 112.6 AZ.
	13:30 - 15:30		TRP	2	LD MOTOR & BIT, PU CORE BBL & BIT, FUNCTION BOTH PIPES, & BLIND RAMS
	15:30 - 16:30	1.00	TRP	2	TIH W/ BHA & 2 STANDS OF DP, FILL PIPE & CIRC 2 MIN.
	16:30 - 18:00	1.50	RIG	6	SLIP & CUT 162' OF DRLG. LINE
	18:00 - 19:00		RIG	1	SERVICE RIG & TOP DRIVE.
	19:00 - 22:30	3.50	TRP	2	TIH W/ 4 ROWS DP, FILL PIPE & CIRC. REPEAT EA. 4 ROWS TO 8612', CIRC 1 MIN., 9682', CIRC 2 MIN, TIH TO 11828' FILL PIPE & CIRC EA. 4 ROWS.
	22:30 - 01:30		CIRC	1	INSTALL ROTATING HEAD @ 11828' & CIRC BOTTOMS UP. 1' FLARE. 2375u GAS
	01:30 - 03:00		TRP	2	TIH, FILL PIPE @ 12602', TIH TO 13375'
	03:00 - 06:00		CIRC	1	FILL PIPE & CIRC BOTTOMS UP, 8' FLARE 1 1/2 HR INTO CIRC. DROP BALL TO START CORING.
5/16/2007	06:00 - 17:00		DRL	1	CUT CORE #1, 13375' - 13435', 60', 5.45 FPH, WOB 4-10K RPM 65, 180 GPM.
	17:00 - 21:00		CIRC	1	BREAK OFF CORE, C&C F/ TOH W/ CORE #1 BOTTOMS UP GAS 4012u
	21:00 - 22:00		CIRC	1	SPOT 230 BBL OF 13.6 PPG MUD ON BOTTOM.
	22:00 - 06:00		TRP	2	TOH W/ CORE #1
5/17/2007	06:00 - 07:00		GEO	2	LD CORE #1, 100% RECOVERY, 60'
	07:00 - 08:00		GEO	2	CHANGE BITS & SPACE OUT. TIH F/ CORE #2, FILL PIPE & CIRC @ BHA & 1 ROW DP, THEN EA 4 ROWS TO
	08:00 - 13:00		TRP	2	76 STANDS & CIRC 5 MIN. RIH TO 11832'. PULL STRIPPING RUBBER OUT OF BERRING ASSM, & INSTALL ROTATING
	13:00 - 13:30		TRP	2	HEAD RUBBER.
	13:30 - 14:00		CIRC	1	CIRC. 30 MIN. TIH W/ LAST 18 STANDS PU 2 JTS OF DP
	14:00 - 15:00		TRP	2	CIRC BOTTOMS UP. BUG = 2548u 2' FLARE.
	15:00 - 17:00 17:00 - 06:00		CIRC GEO	1 2	TAG BOTTOM, & START CORE #2 @ 13435' - 13487', 52', 4.0 FPH, WOB 4-10, RPM 65, 180 GPM. HOPE TO BE @ 13495' BY 08:00.
E 14 B 12007	06:00 - 08:30	2.50	GEO	2	CORE, 13487' - 13495', 8', 4.0 FPH, WOB 9-10K, RPM 65, 180 GPM.
5/18/2007	08:30 - 10:30		CIRC	1	BREAK CORE, CIRC BOTTOMS UP, MUD LOGGERS EQUIPMENT QUIT
		1		1	WORKING, NO ACCURATE GAS READING CHECK F/ FLOW, PUMP PILL, TOH W/ CORE #2. LOST 14 BBL OF MUD ON
	10:30 - 18:00		TRP	2	тон.
1	18:00 - 19:00	1.00	GEO	2	LD CORE #2, 100% RECOVERY, 60+'
					Printed: 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

1330 - 02:00	Date	From - To	Hours	Code	Sub Code	Description of Operations
102:00 - 04:00 2.00 CIRC 1 CIRC. BOTTOMS UP	5/18/2007					
04:00 - 08:00 2:00 RIG 2 REPLACE TORQUE CONVERTER SEAL ON #2 FLOOR MOTOR RIG 2 REPLACE TORQUE CONVERTER SEAL IN TORQUE CONVERTER ON #2 FLOOR MOTOR 1:00 0:00 - 10:00 1:00 0:50 TRP 10 1:00 REAM 1 1:30 - 06:00 1:50 TRP 10 REAM 1 11:30 - 06:00 1:50 DRL 1 11:30 - 06:00 1:50 DRL 1 10 REAM 1 REAM 1						
S/19/2007 06:00 - 09:00 3.00 RIG 2 REPAIR RIG, FINISH REPAILCING SEAL IN TORQUE CONVERTER ON #2 FLOOR MOTOR 10:00 - 10:30 1.00 RIG 10:00 - 10:30 1.00 REAM 11:30 - 06:00 18:50 DRL 1 10 MIRSH THIP #2 2 /TS DP WARRAM *120 *TO BOTTON, DRILL UP CORE STUMP WARRA						
Page 10.00 10.00 1.00		04:00 - 06:00				REPLACE TORQUE CONVERTER SEAL ON #2 FLOOR MOTOR
10.00 - 10.30	5/19/2007					FLOOR MOTOR
10:30 - 11:30 1:00 REAM 1 WARREAM 120' TO BOTTON, DRILL UP CORE STUMP 11:30 - 06:00 18:50 DRL 1 DRILL 13:495 - 13:495; 340; 18:37 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE. 230 GPM BOP DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM MEAN TO SURFACE, 60 DOWN HOLE, 230 GPM MEAN TO SURFACE BO DOWN HOLE, 230 GPM MEAN TO SURFACE, 60 DOWN HOLE, 230 GPM MEAN TO SURFACE, 60 DOWN HOLE, 230 GPM GAS TO SURFACE HOURS TO SURFACE					1.	
11:30 - 06:00 18:50 DRL 1 DRILL 13496' - 13835, 340', 18:37 FPH, WOB 8-14K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM BOP DRILL BOTH CREWS. 13715' - 13720' TOOK 2 HOURS TO DRILL, 5/20/2007 06:00 - 10:00 5.00 DRL 1 DRILLING 13835' - 13931', 96', 1932 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE 230 GPM 12:00 - 17:00 5.00 DRL 1 DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE 230 GPM 17:00 - 18:30 1.50 DRL 1 DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM 18:30 - 00:00 5.50 DRL 1 DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM 18:30 - 00:00 5.50 DRL 1 DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-14K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM GAS TO SURFACE PUMP PROBLEM. 18:30 - 00:00 5.50 DRL 1 DRILL 14034' - 14116', 73', 13.2 7 FPH, WOB 10-14K, RPM 45-65 ON SURFACE, 60 DOWN HOLE, 230 GPM GAS TO SURFACE PUMP PRESSURES TRATED FALLING OFF @ 14101' NOT MUCH INCREASE IN FLOW UNTIL JUST BEFORE GAS HIT SURFACE. LOSNING 8.5 BPH MUD, CIRC W. 15-25' FLARE, BGG 300 - 4000 THROUGH BUSTER. 5/21/2007 06:00 - 14:30 8.50 WCL 1 CIRC OUT GAS ON CHOKE, RAISED WT F/ 13.3 - 13.5, SHUT IN WELL CHECK F/ FLOW STEADY WHILE ON CHOKE, GAINING VOLUME WHILE CIRCULATING, RUNNING 7 BPH OF MU WATER. 14:30 - 03:00 12:50 DRL 1 DRILL 14116' - 14330', 214', 71.2 FPH, WOB 2-8, RPM 120, 60 ON SURFACE, DOWN HOLE, FLOW HAS BEEN ERATIC SINCE WE HAVE BEEN BACK TO DRILLING, THIS TIME IT LOOKS AS THOUGH WE TOOK ABOUT A 50 BBL GAIN. WHEN GAS HIT SURFACE IT BLUEW THE FLOW SENSOR OUT OF THE FLOW SINCE AUP FOR 90 600 WC CHOKE 140 OPEN HAVE NOT TRIED OF CHOKE BACK UP FCP @ 1600 WC CHOKE 140 OPEN HAVE NOT TRIED OF CHOKE BACK UP FCP @ 1600 WC CHOKE 140 OPEN HAVE NOT TRIED OF 100 PSI FCP WILL FALL TO 1600 THEN CLIMB TO 1700-1800. 5/22/2007 06:00 - 20:00 14:00 WCL 1 CIRC OUT GAS ON CHOKE, RAUSED MW F/ 13.6 PPG TO 14.0 PPG, MADE 3 COMPLETE CIRCULATIONS, SICP 0. SIOPP 0. OPRIO ANNULAR, NO FLOW. CHANGE OUT ROT						
SURFACE, 60 DOWN HOLE, 230 GPM BOP DRILL BOTH CREWS. 13715 - 13720 'TOOK 2 HOURS TO DRILL.) DRILLING 13835' - 13931', 96', 19.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM SERVICE RIGE & TOP DRIVE DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, 230 GPM RIGE REPAIR, BOTH PUMPS DOWN, NOTHING REALY STOOD OUT AS THE PROBLEM, BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM. BUT FAR TO SURFACE WENTING THROUGH BUSTER. CIRC OUT GAS ON BUSTER. 12.25 FLARE, PUMP PRESSURE STARTED FALLING OFF @ 14101' NOT MUCH INCREASE IN FLOW HAVE BEFORE GAS HIT SURFACE. LOOSING 8.5 BPH MUD, CIRC W/ 15-25' FLARE, BGG 300 - 4000 THROUGH BUSTER. 5/21/2007						
5/20/2007		11:30 - 06:00	18.50	DRL	1	SURFACE, 60 DOWN HOLE. 230 GPM BOP DRILL BOTH CREWS. 13715' -
12:00 - 17:00	5/20/2007	06:00 - 11:00	5.00	DRL	1	DRILLING 13835' - 13931', 96', 19.2 FPH, WOB 10-11K, RPM 120, 60 ON
12:00 - 17:00		11:00 - 12:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE
17:00 - 18:30						DRILL 13931' - 14043', 112', 22.2 FPH, WOB 10-11K, RPM 120, 60 ON SURFACE,
17:00 - 18:30		1				60 DOWN HOLE, 230 GPM
60 DOWN HOLE, 230 GPM GAS TO SURFACE		17:00 - 18:30	1.50	RIG	2	RIG REPAIR, BOTH PUMPS DOWN, NOTHING REALY STOOD OUT AS THE PROBLEM, BUT I THINK WE MAY HAVE A CHARGE PUMP PROBLEM.
BUSTER, 12-25' FLARE. PUMP PRESSURE STARTED FALLING OFF @ 14101' NOT MUCH INCREASE IN FLOW UNTIL JUST BEFORE GAS HIT SURFACE. LOOSING 8.5 BPH MUD, CIRC W/ 15-25' FLARE, BGG 300 - 400µ THROUGH BUSTER. CIRC OUT GAS ON CHOKE, RAISED WT F/ 13.3 - 13.5, SHUT IN WELL CHECK F/ PRESSURE, NONE. CIRCULATED BOTTOMS UP 3 TIMES, THEN CHECKEF F/ PRESSURE, NONE, STARTED TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIC FLOW STEADY WHILE ON CHOKE, GAINING VOLUME WHILE CIRCULATING, RUNNING 7 BPH OF MU WATER. DOWN HOLE, FLOW HAS BEEN ERATIC SINCE WE HAVE BEEN BACK TO DRILLING, THIS TIME IT LOOKS AS THOUGH WE TOOK ABOUT A 50 BBL GAIN. WHEN GAS HIT SURFACE IT BLEW THE FLOW SENSOR OUT OF THE FLOW LINE. 03:00 - 06:00 3.00 WCL 1 SHUT IN WELL, FCP AT 1100 PSI AND CLIMBING WITH CHOKE 1/2 OPEN, 3" CHOKE LINE LEAKING, SI WELL TO FIX & SICP HIT 1750 IN 3 MIN. OPENED CHOKE BACK UP FCP @ 1600 W/ CHOKE 1/4 OPEN. HAVE NOT TRIED TO GET A SIDPP AS SHOE IS ONLY GOOD TO 2650 PSI WILL TRY TO GET MUD ON BACK SIDE, APPEARS TO BE LOOSING FLUID AS DPP WILL CLIMB TO 1100 PSI & FALL OFF TO 1070 PSI, FCP WILL FALL TO 1600 THEN CLIMB TO 1700-1800. 5/22/2007 06:00 - 20:00 14:00 WCL 1 CIRCULATIONS, SICP 0. SIDPP 0. OPNED ANNULAR, NO FLOW. CHANGE OUT ROTATING HEAD BERRING ASSM. WELL SWABBING WHEN WE PULLED STAND TO CHANGE UT READ. STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL STARTED TO CIRC THROUGH BUSTER, GAINE		18:30 - 00:00	l			60 DOWN HOLE, 230 GPM GAS TO SURFACE
14:30 - 03:00 12:50 12:50 DRL 1 CIRC OUT GAS ON CHOKE, RAISED WT F/ 13.3 - 13.5, SHUT IN WELL CHECK F/ PRESSURE, NONE. CIRCULATED BOTTOMS UP 3 TIMES, THEN CHECKEE F/ FLOW, NONE, STARTED TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIGE TO CIRCULATE, FLOW STEADY WHILE ON CHOKE, GAINING VOLUME WHILE CIRCULATING, RUNNING 7 BPH OF MU WATER. 14:30 - 03:00 12:50 DRL		00:00 - 06:00	6.00	WCL	1	BUSTER, 12-25' FLARE. PUMP PRESSURE STARTED FALLING OFF @ 14101', NOT MUCH INCREASE IN FLOW UNTIL JUST BEFORE GAS HIT SURFACE. LOOSING 8.5 BPH MUD, CIRC W/ 15-25' FLARE, BGG 300 - 400u THROUGH
14:30 - 03:00	5/21/2007	06:00 - 14:30	8.50	WCL	1	CIRC OUT GAS ON CHOKE, RAISED WT F/ 13.3 - 13.5, SHUT IN WELL CHECK F/ PRESSURE, NONE. CIRCULATED BOTTOMS UP 3 TIMES, THEN CHECKED F/ FLOW, NONE, STARTED TO CIRCULATE, FLOW F/ 0 - 50%, VERY SPRATIC. FLOW STEADY WHILE ON CHOKE, GAINING VOLUME WHILE CIRCULATING,
03:00 - 06:00 3.00 WCL 1 SHUT IN WELL, FCP AT 1100 PSI AND CLIMBING WITH CHOKE 1/2 OPEN, 3" CHOKE LINE LEAKING, SI WELL TO FIX & SICP HIT 1750 IN 3 MIN. OPENED CHOKE BACK UP FCP @ 1600 W/ CHOKE 1/4 OPEN. HAVE NOT TRIED TO GET A SIDPP AS SHOE IS ONLY GOOD TO 2650 PSI WILL TRY TO GET MUD ON BACK SIDE, APPEARS TO BE LOOSING FLUID AS DPP WILL CLIMB TO 1100 PSI & FALL OFF TO 1070 PSI, FCP WILL FALL TO 1600 THEN CLIMB TO 1700-1800. 5/22/2007		14:30 - 03:00	12.50	DRL	1	DRILL 14116' - 14330', 214', 17.12 FPH, WOB 2-8, RPM 120, 60 ON SURFACE, 60 DOWN HOLE, FLOW HAS BEEN ERATIC SINCE WE HAVE BEEN BACK TO DRILLING, THIS TIME IT LOOKS AS THOUGH WE TOOK ABOUT A 50 BBL GAIN. WHEN GAS HIT SURFACE IT BLEW THE FLOW SENSOR OUT OF THE
5/22/2007 06:00 - 20:00 14:00 WCL 1 CIRC OUT GAS ON CHOKE, RAUSED MW F/ 13.6 PPG TO 14:0 PPG, MADE 3 COMPLETE CIRCULATIONS, SICP 0. SIDPP 0. OPNED ANNULAR, NO FLOW. CHANGE OUT ROTATING HEAD BERRING ASSM. WELL SWABBING WHEN WE PULLED STAND TO CHANGE UT HEAD. STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL SIW & CIRC OUT GAS ON CHOKE, RAISING MW TO 14:2 PPG. ON CIRC #2 APRESENT, CHOKE FULL OPEN, MW IN 14:2, MW OUT 13:9 GAS CUT, GAINING FLUID SINCE 01:45, PARTIAL BARITE ADDITIONS, BUT		03:00 - 06:00	3.00	WCL	1	SHUT IN WELL, FCP AT 1100 PSI AND CLIMBING WITH CHOKE 1/2 OPEN, 3" CHOKE LINE LEAKING, SI WELL TO FIX & SICP HIT 1750 IN 3 MIN. OPENED CHOKE BACK UP FCP @ 1600 W/ CHOKE 1/4 OPEN. HAVE NOT TRIED TO GET A SIDPP AS SHOE IS ONLY GOOD TO 2650 PSI WILL TRY TO GET MUD ON BACK SIDE, APPEARS TO BE LOOSING FLUID AS DPP WILL CLIMB TO 1100 PSI & FALL OFF TO 1070 PSI, FCP WILL FALL TO 1600 THEN CLIMB TO
20:00 - 20:30	5/22/2007	06:00 - 20:00	14.00	WCL	1	CIRC OUT GAS ON CHOKE, RAUSED MW F/ 13.6 PPG TO 14.0 PPG, MADE 3
20:30 - 22:00 1.50 WCL 1 STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL SIW & CIRC OUT GAS ON CHOKE, RAISING MW TO 14.2 PPG. ON CIRC #2 A PRESENT, CHOKE FULL OPEN, MW IN 14.2, MW OUT 13.9 GAS CUT, GAININ FLUID SINCE 01:45, PARTIAL MU WATER, PARTIAL BARITE ADDITIONS, BUT		20:00 - 20:30	0.50	WCL	1	CHANGE OUT ROTATING HEAD BERRING ASSM. WELL SWABBING WHEN
22:00 - 06:00 8.00 WCL 1 SIW & CIRC OUT GAS ON CHOKE, RAISING MW TO 14.2 PPG. ON CIRC #2 A' PRESENT, CHOKE FULL OPEN, MW IN 14.2, MW OUT 13.9 GAS CUT, GAININ FLUID SINCE 01:45, PARTIAL MU WATER, PARTIAL BARITE ADDITIONS, BUT		20:30 - 22:00	1.50	WCL	1	STARTED TO CIRC THROUGH BUSTER, GAINED 52 BBL
						SIW & CIRC OUT GAS ON CHOKE, RAISING MW TO 14.2 PPG. ON CIRC #2 AT PRESENT, CHOKE FULL OPEN, MW IN 14.2, MW OUT 13.9 GAS CUT, GAINING FLUID SINCE 01:45, PARTIAL MU WATER, PARTIAL BARITE ADDITIONS, BUT
District 70/0007 4/0047 PM						

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/22/2007	22:00 - 06:00	8.00	WCL	1	06:00
5/23/2007	06:00 - 06:00		WCL	1	CIRC OUT GAS ON CHOKE, MADE 3 CIRCULATIONS, CHECK F/ FLOW, WELL
3,20,200,	00.00			l .	STATIC F/3 MIN, THEN FLOWING 27 BPH, SURGING, LET WELL FLOW 30 MIN,
					GAINED 6 BBL ACCORDING TO PVTS. SI & MONITOR PRESSURES, SICP
				l	STABILIZED @ 340,SICP SLOW STROKE PUMP, FLOAT OPENED @ 275
					SIDPP, CIRC & RAISED WT TO 14.7 PPG, FIRST ROUND, THEN TO 15.0 ON
					SECOND ROUND. CIRC ROUNG #3 BEFORE CHECKING F/ FLOW, MW IN
				1	
			l		15.0,MW OUT 14.6 AT REPORT TIME.
5/24/2007	06:00 - 07:00		CIRC	1	CIRCULATE THROUGH CHOKE
	07:00 - 07:30		отн		OPEN ANNULAR AND CHECK FOR FLOW (NO FLOW)
	07:30 - 09:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP TO SEE GAS/ FLARE SIZE (6'-8')/5400 GAS UNITS
				ł	PEAK
	09:30 - 16:30	7.00	DRL	1	RESUME DRILLING FROM 14,330 TO 14,450 (ROP 17' HR) WOB 10K, 44 ROT,
					92 STROKES,
	16:30 - 17:30	1.00	RIG	1	RIG SERVICE /GREASE RIG AND TOP DRIVE
	17:30 - 02:30		DRL	li	DRILLING FROM 14,450 TO 14,644 (ROP 21.5' HR.)
	02:30 - 03:30		CIRC	1	CIRCULATE GAS HAD 11 BBL GAIN AND GAIN IN GAS UNITS,
			DRL	1	DRILLING FROM 14,644 TO 14,690 (ROP 18.4' HR.)
	03:30 - 06:00			1 -	DRILLING FROM 14,690 TO 14,775 (ROP 18.9' HR) WOB 8-10/ ROT. RPM 44/
5/25/2007	06:00 - 10:30	4.50	DRL	1	SPM 92
	10:30 - 11:00	0.50	CIRC	1	CIRCULATE GAS- LOST TOTAL RETURNS FOR 5-7 MIN (DRY GAS 15-20'
	,0.00	3.00		ľ	FLARE) REGAIN RETURN WITH NO LOSSES
	11:00 - 19:30	8 50	DRL	1	DRILL FROM 14,775 TO 14,890 (ROP 13.5' HR) TRY DIFFERNT PERAMITORS
	11.00 - 19.30	0.50	5116	1'	TO GET TO DRILL-NO LUCK FRILLING A STEADY 7'-9' HR
	40.00 04.00	0.00	CIRC	1	CIRCULATE BOTTOMS UP & BUILD PILL FILL TRIP TANK
	19:30 - 21:30		CIRC		DROP SURVEY
	21:30 - 22:00		SUR	1	
	22:00 - 22:30		CIRC	1	PUMP 1# OVER PILL AND SPOT
ı	22:30 - 23:30	1.00	TRP	10	TRIP OUT FOR BIT #23 AND MUD MOTOR TO 13046, (HOLE NOT TAKING
		1	1	}	PROPER FILL STOPPED AND CHECK FOR FLOW-SLIGHT FLOW
	23:30 - 03:30	4.00	CIRC]1	CIRCULATE BOTTOMS UP TWICE WHILE BUILDING #2 SLUG/GAS IS
					FEEDING IN FROM BOTTOM SO DISCUSSED WITH STEVE AND DECIDED TO
					TRIP TO BOTTOM AND BRING WT UP
	03:30 - 05:00	1.50	TRP	2	TRIP IN 19 STANDS
İ	05:00 - 06:00		CIRC	1	CIRCULATE THROUGH HALF CHOKE HOLDING STAND PIPE PSI @
i	00.00 - 00.00	1.00	0,,,0	1'	1200-CASING 900/ (PUMP WENT DOWN WENT TO SWITCH PUMP AND GAIN
i		}			30 BBLS, SHUT IN WELL 1900 PSI ON CSING
i				1.	
5/26/2007	06:00 - 11:00	5.00	CIRC	1	CIRCULATING THROUGH CHOKE-OFF CHOKE @ 6:45-BOTTOMS UP 30-35'
					FLARE/30 BBL GAIN, BRING MUD WT UP TO 15.5 ALL THE WAY AROUND,
					BUILD 2# SLUG TO SPOT
	11:00 - 12:00	1.00	CIRC	1	SPOT #2 OVER PILL ALL IN OPEN HOLE AND INTO CASING 20 FEET
	12:00 - 13:00	1.00	TRP	10	TRIP OUT OF HOLE 10 STANDS (SLOW) (NOT TAKING PROPER AMOUNT OF
		1	1	1	FLUID (NONE GOING BACK INTO PIT IN OVER FILL TUBE)
	13:00 - 13:30	0.50	отн	1	STOPPED CHECK FOR FLOW WELL STILL FLOWING BUT WASN'T GAINING IN
	10.00 - 10.00	0.50]	1	MUD TANKS, CHECKED EQUIPMENT-CHARGE PUMP WAS ON HAND IN PUMP
		1		1	HOUSE, CHECK FLOW GAIN (NO FLOW)
	40.00		TDS	40	TRIP TO SHOE (WET)-SLOW
	13:30 - 14:30		TRP	12	TRIP TO SHOE (WET)-SLOW PUMP DRY SLUG AND FILL TRIP TANK CHECK FLOW (NO FLOW)
	14:30 - 15:00	0.50		1	* ***** = * * * * * * * * * * * * * *
	15:00 - 20:00		TRP	12	TRIP OUT OF HOLE
	20:00 - 21:00	1.00	OTH	1	HANDLE BHA AND CHANGE MUD MOTOR AND BI CENTER BIT/ SURVEY 1.2
					@14,836 (FUNCTION TEST BOPE EQUIP MENT)
	21:00 - 04:00	7.00	TRP	2	TRIP IN HOLE TO SHOE BREAK CIRCULATION AT BHA AND EVERY 33
			1		STANDS DEPTHS- 1292, 4116, 7417, 10,622 (RAN 3 FT FLARE ON TRIP IN /
			1		WELL WAS NOT FLOWING ON FLOW CHECKS)
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	1				
					Printed: 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ENSIGN Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
5/26/2007	04:00 - 04:30	0.50	CIRC	1	BREAK CIRCULATION @ SHOE
	04:30 - 06:00	1.50	RIG	6	SLIP AND CUT DRILLING LINE @ SHOE (18 WRAPS)
5/27/2007	06:00 - 07:00	1.00	RIG	1	SERVICE RIG & TOP DRIVE FUNCTION ANNULAR
	07:00 - 07:30	0.50	TRP	2	TRIP IN TWELVE STANDS-SLOW
	07:30 - 08:00	0.50	CIRC	1	BREAK CIRCULATION, CIRCULATE 1/2 OF 2# SLUG INTO CASING TO BLEND
	08:00 - 08:30	0.50	TRP	2	TRIP IN 11 STANDS SLOW
	08:30 - 10:30	2.00	CIRC	1	CIRCULATE BOTTOMS UP/ WASH TO BOTTOM STAGE PUMP UP TO BREAK
		1			CIRCULATION, PEAK GAS 1600 UNITS NO GAIN IN MUD OR FLOW
	10:30 - 06:00	19.50	DRL	1	DRILL FROM 14890 TO 15180 (ROP 14.8' HR)
5/28/2007	06:00 - 13:30	7.50	DRL	1	DRILL FROM 15,180 TO 15,291-(ROP 14.8' HR)-GAS FROM DEPTH OF 15206,
					HAD FLOW INCREASE AND AN 18 BBL GAIN IN PITS
	13:30 - 14:30		RIG	1	SERVICE RIG AND TOP DRIVE
	14:30 - 06:00	15.50		1	DRILL FROM 15, 291 TO 15,490 (ROP 12.8' HR)
5/29/2007	06:00 - 14:00		DRL	1	DRILL FROM 15,490 TO 15,583 (ROP 11.6' HR)
	14:00 - 15:00		RIG	1	RIG SERVICE- GREASE BLOCKS, SWIVEL AND COMPOUND, TOPDRIVE
	15:00 - 19:30	4.50	DRL	1	DRILL FROM 15,583 TO 15654 (ROP 15.7) HAVING TO KEEP WOB 15, CLAY
				l.	LIKE SILT STONE COMING OVER SHAKERS
	19:30 - 22:30	3.00	CIRC	1	CIRCULATE BOTTOMS UP 2 TIMES TO CLEAN OUT GAS IN WELL BORE, GAS
					WAS FROM DEPTH OF 15,623 CALCULATED, GAINED 30 BBL AND FLARE
					15-20' HIGH, GAS UNITS BEST-6100 UNITS SURGED WHEN GAS HIT
		1			SHAKERS BROUGHT MUD WT TO 15.5
	22:30 - 06:00		DRL	1	DRILL FROM 15,654 TO 15,720 (ROP 8.8' HR.)
5/30/2007	06:00 - 09:30		DRL	1	DRILL FROM 15,720 TO 15,777 (ROP 16.2' HR) SERVICE RIG AND TOP DRIVE
	09:30 - 10:30		RIG	1	DRILL FROM 15,777 TO 15,805 (ROP 28' HR)
	10:30 - 11:30		DRL	1	CIRCULATE OUT GAS THROUGH CHOKE PIT GAIN OF 40 BBL.S/ 100 PSI ON
	11:30 - 12:30	1.00	CIRC	'	CASING PRESSURE ON FULL OPEN CHOKE
	10:20 12:00	0.50	DRL	4	DRILL FROM 15,805 TO 15,841 (ROP 72' HR)
	12:30 - 13:00 13:00 - 13:30		CIRC	1	CIRCULATE THRU CHOKE ON SECOND BOTTOMS UP-IT HAD A GOOD PUSH
	13:00 - 13:30	0.50	CIRC	'	TO IT/PICKED UP AND PUT ON THE CHOKE GAINED 28 BBL.S
	13:30 - 06:00	16.50	DEI	1	DRILL FROM 15.841 TO 16.022 (ROP 10.9' HR) (BROUGHT MW TO 15.6 TO
	15.50 - 00.00	10.50	DIVE	'	CONTROL CONNECTION GAS SEEMS TO BE HOLDING CONNECTION GAS
					BACK)
5/31/2007	06:00 - 10:00	4.00	DRL.	1	DRILLING FROM 16,022 TO 16,069 (ROP 11.75' HR)
3/3/12/07	10:00 - 11:00		RIG	i	SERVICE RIG AND TOP DRIVE
	11:00 - 06:00	19.00		i	DRILL FROM 16,069 TO 16,295 (ROP 11.89' HR) @ 16,209 SLOWED DOWN TO
	11.00 - 00.00	13.00	DIVL	'	9 FOOT A HOUR, CHANGE BIT PERAMETERS NO CHANGE/ CHECKED WITH
					MUD LOGGER CHANGED FROM 80% SHALE, 10% SILTSTONE, 10%
					SANDSTONE CHANGED TO 50% SHALE, 50% SILTSTONE STARTED PICKING
	i				UP @ 16.269
6/1/2007	06:00 - 11:30	5.50	DRL	1	DRILL FROM 16, 295 TO 16,360 (ROP 11.8' HR) WOB 15, DHRPM 110, MW 15.5
0, 1, 200.	11:30 - 12:30		RIG	1	SERVICE RIG AND TOP DRIVE
	12:30 - 18:00		DRL	1	DRILL FROM 16,360 TO 16,452
	18:00 - 06:00	12.00		2	WORK ON SWAB, LINER, DIS-CHARGE MODULE ON #2 MUD PUMP OFF BULL
					WHEEL SIDE/ #1 MUD PUMP CROSS HEAD OUT PUMP IS UNOPERATABLE,
					CHANGE OUT SWIVEL PACKING ALSO (CAN'T CIRCULATE, WORK PIPE UP
	İ				AND DOWN)WELL STARTED FLOWING 1 BBL HR SHUT IN WELL AT 00:00, @
					2:30 WELL HAD ZERO CASING PRESSURE OPEN WELL AND RE CHECK
	i	[FLOW AND WORK PIPE (WELL FLOWING 3/4 BBL AN HOUR) RE SHUT IN
					WELL
6/2/2007	06:00 - 10:30	4.50	RIG	2	WORK ON #2 PUMP MODULE, COULDN'T GET HEX-BOLT'S OUT OF MODULE,
	1	1	1		MONITORING WELL (#1 PUMP HAS X-HEAD OUT)# PUMP WAS READY @
					11:30
	1				
			İ		
					Distant 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

6/2/2007	10:30 - 15:00 15:00 - 16:30 16:30 - 01:00 01:00 - 02:30 02:30 - 06:00 06:00 - 09:30	1.50	CIRC CIRC TRP	1 2	CIRCULATE GAS-BOTTOMS UP TWICE WITH HALLIBURTON (5 BBL MIN) FIRST HAD A GOOD PUSH HAD TO SHUT IN AND HOLD 3/4 CHOKE WITH 300 PSI ON CHOKE HAD 32 BBL GAIN, GAS UNITS ALL OVER DUE TO LEVEL OF MUD AT SHAKERS 35' FLARE AT PEAK SPOT 190 BBL PILL 17.4 OVER FALLOWED BY 130 BBL 15.5 MUD TRIP OUT OF HOLE SLOW TO SHOE-TIGHT SPOT'S AT 15,510, 15,164 PULLED
	16:30 - 01:00 01:00 - 02:30 02:30 - 06:00	8.50	TRP	1.	SPOT 190 BBL PILL 17.4 OVER FALLOWED BY 130 BBL 15.5 MUD
	16:30 - 01:00 01:00 - 02:30 02:30 - 06:00	8.50	TRP	1.	TRIP OUT OF HOLE SLOW TO SHOE-TIGHT SPOT'S AT 15,510, 15,164 PULLED
	01:00 - 02:30 02:30 - 06:00			-	
	02:30 - 06:00	1.50	TDD		UP WORKED DOWN AND PULLED THROUGH WITH REG. DRAG (LOOKS GOOD) FLOW CHECKED AT SHOE (NO FLOW)
			IRF	1	HANDLE BHA LAY DOWN MUD MOTOR AND PICK UP HIGH SPEED MUD MOTOR AND SURFACE TEST 200 GPM 500 PSI, PICK AND LAY DOWN JARS
	06:00 - 00:30	3.50	TRP	2	TRIP IN HOLE FILL PIPE AT BHA, AND EVERY 3 ROWS
6/3/2007	00.00 - 03.50		TRP	2	TRIP IN HOLE WITH IMPREG AND HIGH SPEED MUD MOTOR, FILL EVERY 33 STANDS TO SHOE FILLS BHA, 4463, 7816, 10,675, 12,738
	09:30 - 10:30		отн		INSTALL ROTATING RUBBER (PULL STRIPPING RUBBER OUT OF ROTATING HEAD)
	10:30 - 11:30		OTH		FIX OIL LEAKS ON TOP DRIVE, CHANGE SAVER SUB, GRABBER DIES
	11:30 - 12:00		TRP	2	TRIP IN 20 STANDS IN OPEN HOLE (SLOW)
	12:00 - 12:30		CIRC	1	BREAK CIRCULATEION, CIRCULATE HEAVY PILL INTO CASING (BLEND)
	12:30 - 13:00		TRP	2	TRIP AND SCREW INTO LAST STAND TO CIRCULATE BOTTOMS UP
	13:00 - 14:00		CIRC	1	CIRCULATE 2# OVER SLUG OUT OF HOLE WHILE WASHING TO BOTTOM
	14:00 - 14:30		ОТН		CHANGE OUT GASKET ON ROTATING HEAD (LEAKING MUD IN SUB AND FILLED CELLUR CIRCULATE 2# OVER SLUG OUT OF HOLE HAD 23 BBL GAIN,10' FLARE, 7002
	14:30 - 16:00		CIRC	1	UNITS OF PEAK GAS DRILLING FROM 16.452 TO 16.472 (ROP 5' HR)
	16:00 - 20:00		DRL	2	RIG REPAIR SHUT DOWN DRILLING TO PULL OFF PUMP SHED TOP AND
	20:00 - 20:30		RIG		PUMP OUT WITH CRANE DRILLING FROM 16, 472 TO 16,522 (ROP 5.25' HR) WOB 12/ ROT 65/ GPM 242/
	20:30 - 06:00		DRL	1	DRIPM 522 DRILL FROM 16,522 TO 16,559 (ROP 5.2' HR) WOB 12, ROT 65, DHRPM 527
6/4/2007	06:00 - 13:00		DRL	1	(DAKOTA SILT CAME IN @ 16,516) SERVICE RIG AND TOP DRIVE (GREASE COMPOUND, DRAW-WORKS, TOP
	13:00 - 14:00		RIG	1	DRIVE, SWIVEL PACKING) DRILL FROM 16,559 TO 16,661 (ROP 6.3' HR) WOB 14, ROT 65, DHRPM 527
	14:00 - 06:00	16.00		1	DRILL FROM 16,661 TO 16,721 (ROP 9.2' HR) TALK TO BLM FOR EXTENSION
6/5/2007	06:00 - 12:30	6.50	DRL	1	FOR BOPE TEST TALKED TO RAY ARNOLD AND IT WAS OKED BY MATT
	12:30 - 13:30	1.00	RIG	1	RIG SERVICE, GREASE TOP DRIVE, COMPOUND, DRAW-TOOL
	13:30 - 06:00	16.50	DRL	1	DRILL FROM 16,721 TO 16,878 (ROP 9.5' HR)
6/6/2007	06:00 - 10:00	4.00	DRL	1	DRILL 16,878 TO 16,916 (ROP 9.5' HR) WOB 13, RPM 62, DHRPM 497
	10:00 - 11:00	1.00	RIG	1	SERVICE TOP DRIVE, COMPOUND, SWIVEL, DRAWTOOL
	11:00 - 03:30	16.50	DRL	1	DRILL 16,916 TO 17,045 (ROP 7.8' HR) WOB 15, RPM 65, DHRPM 500
	03:30 - 04:00	0.50	отн		WORK TIGHT HOLE ON CONNECTION, WORK UP THROUGH (WANTED TO PACK OFF), WORK BACK TO BOTTOM 1' OF TIGHT SPOT
	04:00 - 06:00	2.00	DRL	1	DRILL 17,045 TO 17,060 (ROP 7.5' HR) WOB 15, RPM 65, DHRPM 500
6/7/2007	06:00 - 14:00	8.00		1	DRILL 17060' - 17110', 50', 6.25 FPH, WOB 14K, RPM 65 ON SURFACE & 500 DOWN HOLE
	14:00 - 15:30		RIG	1	SREVICE RIG & TOP DRIVE, WORK TIGHT CONNECTION FOR AN HOUR OF THIS
	15:30 - 16:00		DRL	1	DRILL 17110' - 17114', 4' CALLED TD FOR THIGH CONNECTIONS, RAISING MW TO 15.5 PPG
	16:00 - 21:00		CIRC	1	CIRC & COND F/ SHORT TRIP, RAISING MW TO 15.5 PPG.
	21:00 - 22:30	1.50	TRP	14	STARTED SHORT TRIP, FIRST 5 STANDS TIGHT, PUMPED OUT #2 & 3

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Questar E & P Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Sub Date From - To | Hours Code **Description of Operations** Code PUMPED 30 BBL PILL, CAME WET, PULLED 3 MORE STANDS, PUMP MORE 6/7/2007 22:30 - 23:00 0.50 CIRC 23:00 - 01:30 2.50 TRP 14 FINISHED SHORT TRIP WET, WASHED LAST 90' TO BOTTOM. NO FILL C&C, GAINED 52 BBL, SHUT WELL IN & CIRC THORUGH CHOKE, OPENED 01:30 - 06:00 4.50 CIRC WELL BACK UP. INCREASED STROKES, PRESSURE CAME UP, PIPE MOVES FREE, WHEN YOU SHUT DOWN THE PUMP THE PRESSURE DROPS RIGHT OFF. 05:45, MOVED PIPE DOWN & SET 3K ON BIT, PRESSURE DROPPED OFF, AS OF NOW PRESSURES ARE ABOUT RIGHT. C&C, CIRCULATE OUT GAS, MAINTAIN 15.5 PPG MW. MUD MOTOR 6/8/2007 06:00 - 10:00 4.00 CIRC PRESSURING UP. SET WT ON BIT AND PRESSURE WOULD FALL OFF FOR A WHILE. TOH 7 STANDS, PUMPED OUT #2 & 3, ROTATED THE REST OUT WIITH OUT 10:00 - 12:30 2.50 TRP 2 PUMP C&C. MOTOR LOCKED UP, BLEW A NAIL 1.00 CIRC 12:30 - 13:30 13:30 - 14:00 REPLACE NAIL IN POP OFF. 0.50 RIG 14:00 - 17:30 3.50 CIRC CIRC W/ HALIBURTON, BLEW THE PACKING OUT OF DRIVER SIDE PUMP, CIRC W/ 1 PUMP, BLEW PACKING OUT OF IT ALSO. 5.50 CIRC CIRC W/ RIG PUMP @ 53 SPM @ 3 BPM @ 2800 PSI. SPOTTED 250 BBLOF 17:30 - 23:00 17.5 PPG MUD @ 16462', & DISPLACED W/ 175 BBL OF 15.5 PPG MUD TOH F/ LOGS W. SLM, WET & SLOW HOPE TO BE RIGGING UP LOGGERS BY 2 23:00 - 06:00 7.00 TRP NOON 5.00 TRP TOH F/ LOGS W/ SLM SLOW & WET ALL THE WAY 6/9/2007 06:00 - 11:00 RIG REPAIR, WORK ON TRIP TANK MOTOR 1.00 RIG 11:00 - 12:00 2 TOH F/ LOGS W/ SLM SLOW & WET ALL THE WAY 12:00 - 14:00 2.00 TRP WORK ON ROTARY BUSHINGS SO WE COULD REMOVE THE ROTATING 14:00 - 16:00 2.00 RIG HEAD, EDGES ROLLED IN FROM BEATING ON TABLE WHEN SLIPS WOULD STICK, HANDS NOT DOPING BUSHINGS OR SLIPS. 3.00 TRP FINISH TOH F/ LOGS W/ SLM, HAD PROBLEMS WITH CROWN -O- MATIC. SLM 16:00 - 19:00 = 13.65' LONG. NO CORRECTIONS. CLEAN FLOOR & INSTALL LOGGING ADPTER 19:00 - 22:30 3.50 OTH SCHLUMBERGER, TOOK, TIME TO SET UP SATALITE, & COMPUTERS 22:30 - 23:30 1.00 OTH BEFORE STARTING IN THE HOLE FOR FEAR OF BHT & WO SHEVE RIH W/ TRIPPLE COMBO W, BHC SONIC, TAG UP @ 13450', FIRST READING 23:30 - 05:00 5.50 LOG @ 13556', & LOG OUT TO SHOE @ 12605' 1.00 LOG RD SCHLUMBERGER 05:00 - 06:00 RD SWS, LD LOGGING ADPTOR & MUD MOTOR. PU BIT, & BIT SUB. 6/10/2007 1.50 OTH 06:00 - 07:30 TIH W/ BHA, FILL PIPE & CIRC @ 1268'. 07:30 - 12:00 4.50 TRP 2 REPAIR HYDROMATIC 12:00 - 12:30 0.50 RIG 5.50 TRP TIH, FILL PIPE & CIRC @ 5548', 9723', TIH TO 12740 12:30 - 18:00 18:00 - 19:00 1.00 OTH INSTALL ROTATING HEAD SLIP & CUT 19 WRAPS OF DRILLING \LINE WHILE CIRC & COND. 19:00 - 20:00 1.00 RIG 6 SERVICE RIG, CIRC BU. 2-3' FLARE. 1.00 CIRC 20:00 - 21:00 TIH F/ 12740' - 14817' & CIRC BU, 5' FLARE TIH F/ 14817' TO 17114', W&R 194' TO BOTTOM, 15' OF FILL LAST 20' PRETTY 21:00 - 00:00 3.00 TRP 2 2.00 TRP 00:00 - 02:00 SNUG. CIRC BU, 10' FLARE 02:00 - 05:00 3.00 CIRC 05:00 - 06:00 1.00 CIRC SPOT 228 BBL OF 17.5 MUD ON BOTTOM. TOH TO 11279', ROTATED OUT FIRST 7 STANDS, NEXT 5 STANDS WERE 6/11/2007 06:00 - 11:00 5.00 TRP 2 TIGHT PULLED 60 STANDS CIRC BOTTOMS UP TO CLEAN UP GAS, RU LD MACHINE, PUMP PILL, 11:00 - 13:00 2.00 CIRC 1 13:00 - 21:30 8.50 TRP LDDP. TO BHA 3 2.00 TRP RD LD POLE & TIH W/ 60 STANDS OF DP. 21:30 - 23:30

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/11/2007	23:30 - 06:00	6.50			RU LD POLE & LD DP
6/12/2007	06:00 - 07:30	1.50	TRP	2	LDDP & DCS
	07:30 - 08:00	0.50	отн		DRAIN STACK & PULL WEAR BUSHING
	08:00 - 10:30	2.50	CSG	1	RU ROCKY MOUNTAIN CASERS HOLD SAFETY MEETING
	10:30 - 14:30		CSG	2	PU & RUN 4 1/2" 15.1# Q-125 & P-110 FILL PIPE @ 220', 1270' & 5175'
	14:30 - 15:00		CIRC	1	CIRC & COND MUD F/ BOTTOMS UP.
	15:00 - 16:30		CSG	2	RUN P-110 TO 7694', BROKE AIR LINE ON HIGH CLUTCH
	16:30 - 19:00		RIG	2	FILL PIPE & CIRC WHILE REPAIRING AIR LINE, PUT AIR TO CLUTCH & LINE BLEW OFF AGAIN. WOULD NOT HAVE SHUT DOWN TO FILL PIPE IF WE HADN'T BROKE DOWN.
	19:00 - 22:30		CSG	2	RUN P-110 TO 12223'
	22:30 - 01:30	3.00	CIRC	1	FILL PIPE & CIRC BOTTOMS UP, WORK ON HIGH CLUTCH WHILE CIRCULATING.
	01:30 - 02:30	1.00	CSG	2	RUN P-110 to 14327'
	02:30 - 04:00		CIRC	1	FILL PIPE & CIRC, 3000u GAS, 12' BRIEF FLARE.
	04:00 - 05:30		CSG	2	RUN P-110 TO 15440'
	05:30 - 06:00		CIRC	1	FILL PIPE & CIRC BOTTOMS UP.
6/13/2007	06:00 - 08:00		CIRC	1	CIRC BOTTOMS UP, @ 14440' 2-5' FLARE
	08:00 - 09:30		CSG	2	FINISH RUNNING THE LAST OF THE P-110, MU LJ.
	09:30 - 10:00		ОТН		PULL ROTATING HEAD
	10:00 - 10:30		REAM	1	WAHED 8' TO GET ROTATING RUBBER INTO HEAD
	10:30 - 11:00	0.50	отн		INSTALL ROTATING RUBBER IN BODY
	11:00 - 12:00	1.00	REAM	1	TRYED TO WASH TO BOTTOM, BUT COULDN'T MOVE PIPE DOWN, SETTING
					TOOL RIGHT UNDER ROTATING RUBBER, CAN'T MOVE UP, FLUTED HANGER HUNG UP IN STACK. CLOSED ANNULAR TO CENTER UP PIPE CAME LOOSE, WASHED UN TIL WE CAN'T GET ANY PRESSURE INCREASE NO MATTER WHAT WE DO. WILL CIRC OUT GAS & TRY TO PULL 10' JT FROM UNDER HANGER.
	12:00 - 14:00	2.00	CIRC	1	CIRC OUT GAS
	14:00 - 14:30		отн	1	PULL ROTATING HEAD
	14:30 - 15:00		CSG	2	LD 10' PUP JT
	15:00 - 15:30	0.50	отн		INSTALL ROTATING HEAD
	15:30 - 17:00		csg	2	WASH BOTTOM, TRYING TO WASH TO CSG. HEAD, PIPE APPEARS TO BE STUCK, AND NOT ENOUGH ROOM TO WORK WITH HANGER & ROTATING HEAD, STRING WT. TO HANGER 42", 30K WILL NOT PRESSURE UP OR PULL FREE.
	17:00 - 21:30	4.50	CMT	1	RU HES & CIRC W/ RIG PUMP
	21:30 - 00:30		СМТ	2	CHANGE OVER & TEST LINES TO 8K, PUMP 10 BBL OF CLAY FIX, 30 BBL OF TUNED SPACER, 865 SX OF CLASS "G", WT. 16 PPG, YIELD 1.49, 229 BBL OF SLURRY, DROP PLUG & DISPLACE WI 10 BBL OF FRESH WATER, 146 BBL OF 26.5% KCL WATER, WT 9.5 PPG. DID NOT BUMP PLUG, FLOATS DID NOT HOLD, SI WI 4100 PSI. DISPLACEMENT PRESSURE HIT 8600 PSI, BLEED OFF TO 4100 & SI.
	00:30 - 06:00	5.50	WOT	1	SI CSG HEAD & WOC, MONITOR PRESSURES ON CSG & BACK SIDE. BACK SIDE PSI = 540, CSG PRESSURE UK CSG HEAD LEAKING. PICKED UP & RAN 79 JTS OF 4 1/2" 15.1# Q-125 LT&C, 304 JTS OF 4 1/2" 15.1# P-110, LT&C, RAN MARKER JTS @ 12000' & 13000'. RAN 55 CENTRALIZERS EVERY 3rd JT TO 12500' THEN EVERY 4th JT UNTIL 55 WERE IN THE HOLE. STACKED FLOAT COLLAR & SHOE W/ WEATHERFORD COLLETTE & LATCH DOWN PLUG.
6/14/2007	06:00 - 06:30 06:30 - 09:30		отн отн		SICP 550, BLEED OFF, BLEED OFF CSG. BACK SIDE FLOWING 1/4" STREAM GRIND OUT MASTER BUSHINGS MONITOR BACK SIDE FLOW, SI AFTER 1 HR.
		l	L	<u> </u>	Printed: 7/2/2007 1:06:47 PM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
6/14/2007	09:30 - 12:30	3.00	вор	1	RU IPS BOP LIFTS, ND BOP
	12:30 - 13:30	1.00	CSG	7	OPEN BACK SIDE W/ 850 PSI, FLOWING 17 BPH, LIFT STACK, SET SLIPS W/
				l	26KI NDICATED STRING WT. MAKE ROUGH CUT.
	13:30 - 14:30		BOP	1	RESET STACK, FLUTED MANDREL HANGING IN STACK.
	14:30 - 18:00	3.50	отн	1	RD IPS, RU HARD LINE TO DITCH, INSTALL BULL PLUG, NEEDLE VALVE & 5K
					GAUGE, OPEN WING VALVE, OPEN NEEDLE VALVE, 1600 PSI ON BS,
					MONITOR PRESSURES & BLEED OFF EVERY HR. LD LANDING JT W/
	18:00 - 19:00	1.00	отн		HANGER CLEAN FLOOR LD 4" TOOLS. HOOK UP & CLOSE BLIND RAMS.
	19:00 - 23:00		OTH		INSTALL BLOCK VALVE BEHIND WING VALVE & MONITOR PERSSURES.
	15.00 - 25.00	4.00	0		CLEAN SUB, & BOP.
	23:00 - 02:00	3.00	отн	1	DRY GAS TO SURFACE, SI PRESSURES TO 2800. NU BOPE TO GO TROUGH
					CHOKE, CLOSE BOTTOM PIPE RAMS.
	02:00 - 06:00	4.00	отн	İ	VENT GAS F/ WING VALVE TO CHOKE THROUGH HARD LINE. 0200, 1200, 40'
					FLARE, 0230, 1000, 40', 0300, 850, 40', 0330, 750, 35', 0400, 700, 35', 0430, 640,
					35', 0500, 600, 30', .0530, 600, 30', 0600, 560, 30'.
6/15/2007	06:00 - 09:30	3.50	отн		VENT BACK SIDE TO FLARE PIT, 20-30' FLARE
	09:30 - 10:00	0.50	отн		CHANGE OUT NIPPLES ON WING VALVE, ADD 2- HALLIBURTON VALVES
					DOWN STREAM FROM WING VALVE, WING VALVE WASHED.
	10:00 - 16:00		отн		MONITOR PRESSURES ON BACK SIDE.
	16:00 - 18:00	2.00	СМТ	1	HALLIBURTON ON LOCATION @ 16:10, RU TO ESTABLISH INJECTION RATE.
					HOLD SAFETY MEETING. TEST BREAKS IN BOP TO 5K, BLEED TO 4.8K SLOW
				_	NO LEAKS FOUND.
	18:00 - 23:00	5.00	CMT	2	[RESSURE TEST LINES TO 6.5K, PUMPED 41.3 BBL & SD F/ PSI, LOST 500 PSI
					IN 19 MIN. PUMPED BACK UP TO 6.5K, 5.5 BBL, SD, LOST 64 PSI IN 39 MIN.
	23:00 - 00:30	1 60	отн	ĺ	PUMP .5 BBL & SD, SIW VENT BACK SIDE TO CHOKE & MONITOR PRESSURES. OPENED WITH 6400
	23.00 - 00.30	1.50	OIR		AND A 45' FLARE
	00:30 - 06:00	5.50	LOC	4	RDRT, RIG DOWN PUMP, DUMP PITS & RD BACK YARD. PR PRESSURE @
	00.00	0.00		•	05:30 3450 PSI, 35' FLARE.
6/16/2007	06:00 - 19:00	13.00	LOC	4	VENT BACK SIDE GAS, CLAN MUD TANKS & RDRT, SHUT IN @ 18:45 W/ 1150
				i	PSI.
	: -				PRESSURES: 0600, 3300, 30' FLARE., 0700, 3100, 30', 0800, 2900, 30', 0900
					2800, 25', 1000, 2900, 20', 1100, 2750, 20', 1200, 2500, 20', 1300, 2250, 20', 1400,
					1900, 20', 1600, 1500, 15-20' 1700, 1400, 15/20', 1845, SI WELL, 1150, 25'.
					MONITOR BACK SIDE PRESSURES W, FLOW BACK CREW. SEEMS TO BE A
				ļ	LOT OF CONDENSATE, & WHEN IT COMES THE FLARE GETS LARGER &
				_	HOTTER.
	19:00 - 02:00		LOC	4	MONITOR BUILD UP & RDDT PRESSURE @ 0145 2525, 35' FLARE.
	02:00 - 06:00	4.00	roc	4	VENT BACK SIDE GAS TO CHOKE, OPENNED @ 0145 W/ 2525 PSI. 0300, 35'
6/17/2007	06:00 - 15:00	0.00	LOC	4	FLARE, 0400, 1900, 30', 0500 1750, 255', 0600, 1600, 25' FLARE. RDRT, FLARE BACK SIDE GAS THROUGH CHOKE & MONITOR PRESSURES.
0/1//2007	00.00 - 15.00	9.00	LUC	4	RELEASE RIG @ 15:00 6/17/07, TURN OVER TO SALES @ 1500, 1700 PSI.
					2.7MM/D. READY F/ TRUCKS.
	00:00 -				rig phone forwarded to my cell, 435-828-1687
	00.00				ng priorio forwardod to my com, 400 020-1007
				ĺ	
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Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

SUBMIT IN TRIPLICATE - Amended Report on 1/15/07

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir Use "APPLICATION FOR PERMIT--" for such proposals

UTU-02510A

7. If Unit or CA, Agreement Designation

If Indian, Allottee or Tribe Name N/A

WHITE RIVER UNIT

Oil Gas Well X Well Other		8. Well Name and No. GB 1M 4 8 22R
2. Name of Operator QEP, UINTA BASIN, INC. 3. Address and Telephone No. 1571 East 1700 South, VERNAL, UT 84078 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1147° FNL, 474° FWL, LOT 8, SEC 4-T8	Contact: Dahn.Caldwell@questar.co 435-781-4342 Fax 435-781-4357 8S-R22E	9. API Well No.
12. CHECK APPROPRIATE BO	OX(s) TO INDICATE NATURE OF NOTIC	E, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE	OF ACTION
Notice of Intent	Abandonment Recompletion	Change of Plans New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off Conversion to Injection
Final Abandonment Notice	Altering Casing Other SPUD	Dispose Water
		(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
Describe Proposed or Completed Operations (Clearly state all pertinent give subsurface locations and measured and true vertical depths for all n	details, and give pertinent dates, including estimated date of starting any pr narkers and zones pertinent to this work)	

On 1/24/07 - Drilled 17-1/2" hole. Ran 12 jts of 13-3/8", J-55, 54.5# csg. Cmtd w/ 500 sxs Class "G" cmt.

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

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\bigcap	α))IV. OF OIL, G	AS & MINING
14. I hereby certify that the foregoing is rue and carried. Signed Dahn F. Caldwell	aduit	Rice Administator II	Date .	3/16/07
(This space for Federal or State office use) Approved by:	Title	Fifte	Date	
Conditions of approval, if any Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly	and willfully to make to ar	ly department or agency of the United States and fall	se, fictitious or fraud	lulent statements or
representations as to any matter within its jurisdiction.	4			

COMMENTIAL

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ENSIGN

43-047-38990

Spud Date:

1/24/2007

Rig Release: 6/16/2007

Rig Name:	ENSIGN		, 0	- •	Rig Number: 24
Date	From - To	Hours	Code	Sub Code	Description of Operations
6/28/2007	06:00 - 16:00	10.00	LOC	4	On 6/27/07 - Initial Completion Report. 7:00 AM Conduct safety meeting. MIRU IPS Flow Back Equipment. Spectrum fluid ser Zeco pit & shaker. 2:00 PM - MIRU Bronco Flow Cross BOP HCR Master Valve. IPS CTU Fluid pump. MU Lubricator. NU WH. Chain down & secure well. 24 Hour Forecast: Starting in hole to drill out cement.
6/29/2007	06:00 - 16:00	10.00	вор	1	On 6/28/07 - 7:00 AM Conduct safety meeting. Unchain ND lubicator from WH. MU Baker BHA. CTC pull test 25K. MU 2-7/8" jars. MU CT disc circ sub. MU MTR 3 tooth drag bit. Surface test MTR, circ sub opened replaced circ sub. Retest it opened. Replaced got good surface test. NU on WH test - all lines & WH equipment to 8000 psi BO Open well. 10:00 AM - Start in hole pumping 5 BPM to 2 BPM tag cement @ 10861' fell through CIH to 11015'. Fell through CIH to 11378'. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491'. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00 PM. Total footage drilled 630'.
6/30/2007	06:00 - 16:00	10.00	DRL	4	24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 11500'. Start drilling cement. 9:30AM - 11,600'. PU of BTM, SI csg psi to 3500 psi, surged back CIH drilling to 12651'. SI csg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bibls gel sweeps CWC. POOH secure well. 7:00 PM - SDFN.
7/1/2007	06:00 - 16:00	10.00	DRL	4	TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL 1781'. 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409' 24 Hour Forecast: Drill out cement.

Printed: 8/3/2007 2:15:34 PM

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DIV. OF OIL, GAS & MINING

Page 2 of 4

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

77/2007 06:00 - 16:00 10:00 DRL 10	Date	From - To	Hours	Code	Sub Code	Description of Operations
10.00 06:00 - 16:00 06:00 - 16:00 07:107 06:00 AM Conduct Safety Meeting. Bio 3 tooth drag mill. MU Backer Sa 7/01 Carbide Hurricane mill. Surface test MTR. NV mit lest lines and WH equipment to 8K BO Open Well. TiH Tag @ 13288'. CiH drilling pump. 15 BBL 2:00 PM - Plugged choke wivery course cut cement. Stop drilling pump. 15 BBL 9cl sweep. Clean well. Stop get ju to 3500. Surge back. CiH drilling pump. 15 BBL Sweep CWC. POOH. Stivell. ND Lubricator BO 3.701 Hurricane mill. BO MTR. MU MTR. MU 3 tooth drag bit. NU on WH. Secure well. SDFN @ 7:00 PM. TOTAL FOOTAGE DRILLED TODAY = 572' - TOTAL 2981' 24 Hour Forecast: Drill out cement. Cag Size: 4-1/2" 15.1# Cag Dephr: 17.083' On 7/2/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 to 9-5/8 5000 surface. Test MTR wi 3-5/8 3 tooth drag mill test lines & WH equipment to 8K BO. Open well - TiH pumping, 5 to 2 BPM. Tag @ 13938'. ClH drilling to 14838'. PU S1 cag psi up 3500 surge back. ClH drilling to 15001'. Pump 15 bbl get sweep. CWC POOH secure well clean and jet shaker pit full of ceme Replace 300 bid reg system w fresh 2% & re-get up. SDFN @ 9:00 PM. Will run full drift 3.701 3 tooth drag mill in AM TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140' 24 Hour Forecast: Drill out cement. Cag Size: 4-1/2" 15.1# Cag Depth: 17.083' On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/8' 5000. Surface test MTR w/3.701 3 tooth drag mill, lest lines & WH equipment of 8K - BO Open well. Th pumping, 5 to 2 PBM. Tag @ 14984'. ClH drilling to 15590'. Pup 300'. Clean well. Th pumping, 5 to 2 PBM. Tag @ 14984'. ClH drilling to 15590'. Pup 300'. Clean well. ND bids BO mill & MTR. MU new MTR. MU same mill 3.701 . NU WH. SDFN @ 8:00 PM. ToOTAL FOOTAGE DRILLED TODAY = 1316' - TOTAL = 5439' 24 Hour Forecast: Drill out cement. Cag Size: 4-1/2" 15.1# Cag Depth: 17,083' On 7/3/07 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSl up cag 3500 surge back. TiH pumping, 5 to 2 BPM. Tag @ 18315'. ClH drilling ROP 24 picking up 50' fo	7/1/2007	06:00 - 16:00	10.00	DRL	4	
24 Hour Forecast: Drill out cement.	7/2/2007	06:00 - 16:00	10.00	DRL	4	On 7/1/07, @ 6:00 AM Conduct Safety Meeting. BO 3 tooth drag mill. MU Baker 3.701 Carbide Hurricane mill. Surface test MTR, NU on WH test lines and WH equipment to 8K BO Open Well. TIH Tag @ 13288'. CIH drilling cement @ .5 to 1 FPM. 2:00 PM - Plugged choke w/ very course cut cement. Stop drilling pump. 15 BBL gel sweep. Clean well. SI csg psi up to 3500. Surge back, CIH drilling to 13860'. PU pump 15 BBL Sweep CWC. POOH. SI well. ND Lubricator BO 3.701 Hurricane mill. BO MTR. MU MTR. MU 3 tooth drag bit. NU on WH. Secure well. SDFN @ 7:00 PM.
Csg Size: 4-1/2" 15.1# Csg Depth: 17.083" On 7/2/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 to 9-5/8 5000 surface. Test MTR w/ 3-5/8 3 booth drag mill test lines & WH equipment to 8K BO. Open well - Tilh pumping .5 to 2 BPM. Tag @ 13838'. CIH drilling to 14838'. PU SI csg psi up 3500 surge back. CIH drilling to 15001'. Pump 15 bbl gel sweep. CWC POOH secure well clean and jet shaker pit full of cement. Replace 300 bbl of gel system w/ fresh 2% & re-gel up. SDFN @ 9:00 PM. Will run full drift 3.701 3 tooth drag mill in AM TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140'						
24 Hour Forecast: Drill out cement.	'/3/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/2/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 to 9-5/8 5000 surface. Test MTR w/ 3-5/8 3 tooth drag mill test lines & WH equipment to 8K BO. Open well - TIH pumping .5 to 2 BPM. Tag @ 13838'. CIH drilling to 14838'. PU SI csg psi up 3500 surge back. CIH drilling to 15001'. Pump 15 bbl gel sweep. CWC POOH secure well clean and jet shaker pit full of cement. Replace 300 bbl of gel system w/ fresh 2% & re-gel up. SDFN @ 9:00 PM. Will run full drift 3.701 3 tooth
Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/8" 5000. Surface test MTR w/ 3.701 3 tooth drag mill, test lines & WH equipment to 8K - BO Open well. TiH pumping. 5 to 2 BPM. Tag @ 14984'. CIH drilling to 15590'. PU 300'. Clean well up. CIH drilling picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 16300'. Pump 15 bbl gel sweep CWC. POOH. Secure well. ND lube BO mill & MTR. MU new MTR. MU same mill 3.701. NU WH. SDFN @ 8:00 PM. TOTAL FOOTAGE DRILLED TODAY = 1316' - TOTAL = 5439' 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/4/07 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTR w/ 3.701 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TIH pumping .5 to 2 BPM. Tag @ 16315'. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 17058'. Tag & stall. PU 50' RIH to 17058						TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140'
24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/4/07 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTR w/ 3.701 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TiH pumping .5 to 2 BPM. Tag @ 16315'. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 17058'. Tag & stall. PU 50' RIH to 17058'. Tag & stall. PU 0 ff BTM pump 20 bbls 80 VIS Sweep. PU to 16000'. SI csg PSI to 3500 psi. Surge back. RIH circ 2	'/4/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/8" 5000. Surface test MTR w/ 3.701 3 tooth drag mill, test lines & WH equipment to 8K - BO Open well. TIH pumping .5 to 2 BPM. Tag @ 14984'. CIH drilling to 15590'. PU 300'. Clean well up. CIH drilling picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 16300'. Pump 15 bbl gel sweep CWC. POOH. Secure well. ND lube BO mill & MTR. MU new MTR. MU same mill 3.701. NU
	/5/2007	06:00 - 16:00	10.00	DRL	4	24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/4/07 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTR w/ 3.701 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TiH pumping .5 to 2 BPM. Tag @ 16315'. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 17058'. Tag & stall. PU 50' RIH to 17058'. Tag & stall. PU off BTM pump 20 bbls 80 VIS Sweep. PU to 16000'. SI csg PSI to 3500 psi. Surge back. RIH circ 2

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/5/2007	06:00 - 16:00	10.00	DRL	4	KCL. POOH. RDMO IPS CTU & Pumps 17058 + 22' KB 17080'. Clean & jet spectrum tank.
					TOTAL FOOTAGE DRILLED TODAY = 743' - TOTAL = 6197' Relieved by Mike Hagen (580)254-4394.
					24 Hour Forecast: Run cased hole logs. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/7/2007	06:00 - 16:00	10.00	LOG	2	On 7/6/07, @ 12:30 PM MIRU Schlumberger EWL, Crane. NU 4-1/16" x 15K Crossover Flange on top of production tree. Open up master valves on tree to check pressure on csg 0#. Make up 3.623" DTI Cased Hole Logging Tools and start in hole @ 5:00 PM. Engineer was going in hole too fast abd hit fluid @ 381' and jumped line off shelve. Shut down to fix line and continue in hole with logging tools and set down @ 16,095'. Work log tools up/down to try and get through spot. Could not get through spot w/ repeated attempts. Called Mr. Stahl to inform him where we set down at. POOH w/ logging tools and RDMO Schlumberger Logging Truck, Crane. Secure well for the night and shut down.
					24 Hour Forecast: MIRU IPS Coil Tbg Unit and RIH down to 16,095' and clean out to bottom.
7/8/2007	06:00 - 16:00	10.00	TRP	9	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/7/07, MIRU IPS Coil Tubing Unit & pull test CC to 25K and pressure test to 2500#. Function test motor to @ 2.0 bbls 2800#. NU to production tree and RIH with 2.88" x 2.375" Coil Connector, 2.88" x 2.375" Dual Back Pressure Valve, 2.88" x 2.375" Bowen Coil Tubing Jars, 2.88" x 2.375" Hydraulic Disconnect, 2.88" x 2.375" Dual Circulation Valve, 2.88" x 2.375" VIP NaviDrill Motor, X-Over Sub 2-3/8" Reg x 2-3/8" PAC (BXP). RIH w/ coil tbg & hit a small bobble @ 16,093' only about 2K difference pushed right through and RIH down to 17,063' & pick up 5' off bottom & pump 10 bbls FR Pill. Circulate bottoms up & POOH with C/T & shut production tree in. RD C/T Unit. SDFWE.
					24 Hour Forecast: Leave C/T on standby for Monday if Bond Log won't go through.
7/10/2007	06:00 - 16:00	10.00	LOG	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/9/07, MIRU Cutters EWL and NU 4-1/16" x 15K x 10 K crossover spool. RIH w/ 3.625" GR/JB down to 17,065' (EWL Measurement) & POOH w/ same. Had few pieces of cement in JB on surface. RIH w/ CCL/2.375" CBL tool down to PBTD & start pulling bond log holding 2000# pressure @ 14,000' CBL quit working. POOH & fixed bond tools. RIH back down to 14,000' where tool quit working and start logging again. Pull CBL up to 5000' per Mr. Stahl's instructions. Shut down logging & POOH w/ CBL tools & secure well. RDMO EWL, Hot Oiler.
					TOC @ 12,610' 20-30% bond down to 13,200'. Excellent cement from 13,200' down to 17,065' 95-100% bond.
					24 Hour Forecast: MIRU PLS EWL to run Temp & Noise Survey.
					Csg Size: 4-1/2" 15.1#

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ENSIGN

Spud Date: 1/24/2007 Rig Release: 6/16/2007 Rig Number: 24

Date	From - To	Hours	Code	Sub Code	Description of Operations	
7/10/2007 7/11/2007	06:00 - 16:00 06:00 - 16:00	10.00 10.00	LOG LOG	4	Csg Depth: 17,083' On 7/10/07 MIRU PLS EWL Truck, Mast. NU 4-1/16" x 15K x 5K flange on top of production tree. RIH w/ CCL, 1-3/4" Temp & Noise Tool down to 15,000'. Pull back up to 12,000' and open up surface valve through Parchmans flow manifold to tank 20/64" choke 6000# pressure. BHT @ 12,000' was 219"F with well flowing to tank. Pressure had dropped down to 4500# 219"F. Slickline operator was adjusting trailer mounted mast and crimped line and shorted out tools. Shut surface valve in and POOH w/ tools. Secure well fo rthe night.	
					24 Hour Forecast: MIRU PLS EWL to rerun Temp & Noise Survey. No cost for wireline services today.	
					Csg Size: 4-1/2" 15.1#	
7/12/2007	06:00 - 16:00	10.00	LOG	4	Csg Depth: 17,083' On 7/11/07, MIRU PLS EWL, Mast, check surface pressure 4500#. Open up surface through Parchman's manifold to tank 20/64" choke. RIH w/ CCL, 1-3/8" Temp & Noise Tool down to 5000' and record temp -122°F for 25 minutes. RIH down to 15,000' to start base log. Pull back up to 9100' and log back down and @ approx. 9500' log was showing gas entry. Continue down hole down to 10,000' and stop. Pull through spot @ 9500' with the same results. Pull up to 5000' and turn on noise log and continue down hole stopping every 100' to record noise. Stop @ top of 7" liner and record noise level (No change). Continue down hole to 9100' stopping in 50' intervals. Stop @ 9400' and noise level and temp were changing. Continue down to 9475' and stop and record temp/noise level. Called Mr. Stahl to inform him that gas entry according to noise log was @ 9475'. RIH down to 12,620' below 7" liner and record noise levels. No gas entry was showing up on temp/noise log. POOH w/ tools and shut surface valve in and secure well.	
					24 Hour Forecast: Clean up log & sned to Denver.	
7/15/2007	06:00 - 16:00	10.00	10.00 LOG	LOG 2		Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/14/07, MiRU Schlumberger EWL Services, Crane. RIH w/ 3.56" GR/JB down to PBTD @ 17,085'. Start POOH w/ CCL, GR, JB and @ 16,550' JB was pulling tight with approx 1200# of tension over. Called Mr. Stahl to inform him of tight spot. Schlumberger will stay above tight spot and pull Sonic Image Tool from 16,500' - 12,600' and Gamma Ray/Neutron log from 12,600' up to 5,000'. POOH w/ tools and secure well RDMO Schlumberger. 6:00 AM on 7/15/07 - Operator was pulling 200' repeat pass and will RDMO this AM. JB had thin peices of cement in it on surface.
					24 Hour Forecast: Process and send logs to Denver for evaluation.	
					Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'	

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Form approved. Form 3160-4 Budget Bureau No. 1004-0137 SUBMIT IN DUPLICATE (November 1983) **UNITED STATES** Expires August 31, 1985 (See other in-(formerly 9-330) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT structions on LEASE DESIGNATION AND SERIAL NO. reverse side). UTU-02510A IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* UNIT AGREEMENT NAME 1a. TYPE OF WELL OIL GAS WHITE RIVER UNIT WELL Othe **b** TYPE OF COMPLETION FARM OR LEASE NAME DIFF PLUG WORK DEEP-RESVR Othe BACK WELL OVER EN WELL NO. NAME OF OPERATOR GB 1M 48 22R QUESTAR EXPLORATION & PRODUCTION CO. 10. FIELD AND POOL, OR WILDCAT Contact: Dahn Caldwell 435-781-4342 ADDRESS OF OPERATOR 11002 EAST 17500 SOUTH - VERNAL, UT 84078 Fax # 435.781.4357 UNDESIGNATED LOCATION OF WELL (Report location clearly and in accordance with any State requirements) 11. SEC.,T., R., M., OR BLOCK AND SURVEY At surface 1147' FNL, 474' FEL, NENE, SEC 4-T8S-R22E OR AREA SEC 4-T8S-R22E 1147' FNL, 474' FEL, NENE, SEC 4-T8S-R22E At top rod, interval reported below 1147' FNL, 474' FEL, NENE, SEC 4-T8S-R22E At total depth COUNTY OR STATE PERMIT NO. DATE ISSUED 13. PARISH 43-047-38990 UINTAH UT 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 8/9/07 KB 6/6/07 1/24/07 23. INTERVALS ROTARY TOOLS CABLE TOOLS 22 IF MULTIPLE COMPL 20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD DRILLED BY HOW MANY 17,063 WAS DIRECTIONAL 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* SURVEY MADE See Attachment Page One NO 27. WAS WELL CORED TYPE ELECTRIC AND OTHER LOGS RUN SINP Tdi NO TIA. **Bond Log** CASING RECORD (Report all strings set in well) AMOUNT PULLED CEMENTING RECORD DEPTH SET (MD) HOLE SIZE CASING SIZE WEIGHT, LB/FT 500 SXS 54.5# 526 17-1/2" 13-3/8" 1427 SXS 12-1/4" 9-5/8" 47# 6107 865 SXS 6-1/8" 4-1/2" 15.1# 17,083 TUBING RECORD LINER RECORD PACKER SET (MD) SCREEN (MD) DEPTH SET (MD) SACKS CEMENT SIZE TOP (MD) BOTTOM (MD) SIZE 12.612 1400 SXS N/A 7" 5576 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC 31. PERFORATION RECORD (Interval, size and number, AMOUNT AND KIND OF MATERIAL USED DEPTH INTERVAL (MD) SEE PERFORATION DETAIL ATTACHMENT PAGE ONE See Attachment Page One See Attachment Page 1 PRODUCTION WELL STATUS (Producing of PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump, DATE FIRST PRODUCTION PRODUCING **FLOWING** 8/10/07 GAS-OIL RATIO CHOKE SIZE PROD'N FOR OIL-BBL GAS-MCF WATER-BBL DATE OF TEST HOURS TESTED TEST PERIOD 4236 1514 8/12/07 16 OIL GRAVITY-API (CORR.) WATER-RRI. CALCULATED OIL-BBL GAS-MCE FLOW, TUBING PRESS. CASING PRESSURE 24-HOUR RATE N/A TEST WITNESSED BY DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD LIST OF ATTACHMENTS OCT 1 1 2007 WELLBORE SCHEMATIC & PERFORATION DETAIL ATTACHMENT information is complete and completes determined from all available records I hereby certify that the foregoing and attagn COMPLEMON SUPERVISOR 10/1/07 SIGNED JIM SIMONTON TITLE DATE

	TOP TRUE	VERT. DEPTH	
GEOLOGIC MARKERS GB 1M 4 8 22R	TC MEAS, DEPTH	SURFACE 3,260° 6,560° 11,650° 11,895° 12,375° 12,775° 13,125° 15,900° 17,114°	
38.	NAME	UINTA GREEN RIVER WASATCH MESA VERDE SEGO CASTLEGATE BLACK HAWK MANCOS SHALE MANCOS 'B' FRONTIER TD	
SUMMARY OF POROUS ZONES: (Snow an important zones of porosity and contents, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	DESCRIPTION, CONTENTS, ETC.		
an important zones of por d, cushion used, time tool	BOTTOM		
OUS ZONES: (Snowing depth interval tester	TOP	SURFACE 3,260° 6,560° 9,295° 11,650° 11,895° 12,775° 13,125° 15,900° 17,114°	
 SUMMARY OF PORG drill-stem tests, includi recoveries): 	FORMATION	UINTA GREEN RIVER WASATCH MESA VERDE SEGO CASTLEGATE BLACK HAWK MANCOS SHALE MANCOS 'B' FRONTIER TD	

GB 1M 4-8-22 - Perforation Detail Attachment

PERFORATION Open Perfs		(L: nulation					Perf Status
							Ones Mancoc 'P'
13383' - 13385'	1						Open – Mancos 'B'
13442' - 13444'						.	Open – Mancos 'B'
13503' - 13505'	}	Frac w/	40,800	Lbs in	59,556	Gais	Open – Mancos 'B'
13516' - 13518'							Open – Mancos 'B'
13554' - 13556'	Ī						Open – Mancos 'B'
13692' – 13694'	J		e de la companya de l				Open – Mancos 'C'
12022' 1202E'	\						Open – Mancos 'C'
13823′ – 13825′							Open – Mancos 'C'
13876′ – 13878′		produced and accounting the second		e construction of the	a sala a managaran ang		Open – Mancos 'C'
13947′ – 13949′	- 4	Eroc w/	45,000	I hs in	110,166	Gals	Open – Mancos 'C'
14049′ – 10451′	7	Frac w/	43,000	LD3 III			Open – Mancos 'C'
14101' - 14103'							Open – Mancos 'C'
14110′ – 14112′							Open – Mancos 'C'
14154' – 14156'	. .						the second secon
14258' - 14262'	1						Open – Mancos 'C'
14296' – 14302'		Frac w/	26,630	Lbs in	53,340	Gals	Open – Mancos 'C'
the same process of the sa					an analysis of		Open – Mancos 'C'
14392' – 14394'		a samuel and more specific					A CONTRACTOR OF THE PROPERTY O
14555' – 14557'	\		a en ambolio) - por part apple a constitution of all the				Open – Mancos 'C'
14617' – 14619'							Open – Mancos 'C'
14648' - 14650'							Open – Mancos 'C'
14758' – 14760'		Frac w/	44,600	Lbs in	107,730	Gals	Open – Mancos 'C'
14895' – 14897'				management of the property of the tr			Open – Mancos 'C'
14908' - 14910'							Open – Mancos 'C'
14900 - 14910							and a second manner of the second second second
15048' - 15050'	1		and an inner control				Open – Mancos 'D'
15094' – 15096'		A CONTRACTOR OF THE STATE OF TH				i	Open – Mancos 'D'
15213' – 15215'							Open – Mancos 'D'
15245' - 15247'	7	Frac w/	38,212	Lbs in	48,258	Gals	Open – Mancos 'D'
15309' – 15311'				A CONTRACTOR OF THE PARTY OF TH			Open – Mancos 'D'
15472' – 15474'							Open – Mancos 'D'
15588' – 15590'							Open – Mancos 'D'
15652' – 15654'							Open – Mancos 'D'
13032 - 13034							
15815' – 15817'	\	and the second s	MM - 0 - 1 - 100 (10 - 100) - 100 (10 - 100)				Open – Mancos 'D'
15819' – 15821'			The second second				Open – Mancos 'D'
15892' – 15894'	-			men in the second			Open - Mancos 'D'
15892 - 15894 15919' - 15921'		Frac w/	14.200	Lbs in	61,068	Gals	Open - Frontier
	}	TIGC W/	_ !/= 50	,	, ttrac		Open - Frontier
15963' – 15965'		1000		and the second of the second			Open - Frontier
15985' - 15987'	-			The second of the second			Open - Frontier
16158' - 16160'							Open - Frontier
16200' - 16202'	J			The second secon	The second second second	a	ಕೂಡಾಗ ಗಡಗಾಗಾ -

16328' – 16329'				
16362' – 16363'		and the second s	and the second of the second o	O Fuenties
16443' – 16444'				Open - Frontier
16466' – 16469'				Open - Frontier
16482' – 16483'		The second secon		Open - Frontier
and the second of the second o	Frac w/	50,394 Lbs in	84,210 Gals	Open - Frontier
16664' – 16665'	riac w/	30,331 LD3 III		Open - Frontier
16715' – 16717'		en en en en en en en en en en en en en e	And the second of the second of the second	the same that th
16723' – 16724'				Open - Frontier
16798' – 16799'				Open – Dakota Silt
16858' – 16859'		programme and the second secon		Open – Dakota Silt
The second control of the second control of		The second secon	Andread Control of the Control of th	Open – Dakota Silt
16907′ – 16908′		ere en la company de la compan	e en la companya del companya del companya de la co	Open - Dakota
16994' – 16996'	Consider the second control of the second co	and the second of the second o	and the second section of the second	and the first the second of th
17026' - 17027'				Open - Dakota

FIELD: Glen Bench GL: 5,168 'KBE: 5,190	' Spud Date 1-25-07 Completion date:
Well: GB 1M-4-8-22R TD: 17,114 ' PBTD: 17,080	Current Well Status:
Location - surface: 1139' FNL, 469' FEL, NENE Sec. 4, T85, R22E Location - bottom hole: Same	Reason for Pull/Workove Initial completion
API#:43-047 38990 Uintah County, Utah	Deviation:
Wellbore Schematic	Tubing Landing Detail:
	Description Size Footage Depth KB 34.00 34.00
Surface casing Size: 13.375"	34.00 34.00
Weight: 54.5#	34.00
Set @ 526' KB	34.00 EOT © 34.00
Cmtd w/ 500 sxs	Tubing Information:
	Condition:
	Grade:
Intermediate Casing	Weight (#/ft):
Size: 9.625" Weight: 47#	
Grade: HCP-110 Set © 6100' KB	Welthend Deta Example: 7-1/16" 3000# 4-1/16" 15,000#
Cmtd w/ 1427 sxs Hole size: 12-1/4"	
	Other: Hanger: Yes X No
	SUMMARY
	Frontier / Dakota Silt / Dakota Zone 1: (16,328-17,027') Frac w/ 5000 lb 100 mesh sand
Intermediate Liner	+ 45,400 to 30/50 Econoprop Mancos D / Frontier
Size: 7" Weight: 26 & 29#	Zone 2: (15,815-16,202') Frac w/ 14,200 lb 30/50 Econoprop
Grade: HCP-110 Top © 5576'	Mancos D Zone 3: (15,048-15,654') Frac w/ 33,300 ib 30/50 Econoprop
Bottom @ 12,612' Cmtd w/ 1400 sxs	Mancos C Zone 4: (14,555-14,910') Frac w/ 44,600 lb 30/50 Econoprop
Hole size:	Zone 5: (14,258-14,394') Frac w/ 26,630 lb 30/50 Econoprop Zone 6: (13,823-14,156') Frac w/ 45,000 lb 30/50 Econoprop
	Mancos B & C Zone 7: (13,383-13,694') Frac w/ 40,800 lb 30/50 Econoprop
ТОС @ 13,200' арргох.	As of 6/5/07 - Tbg has not been ran. 8-7-07 MIRU CTU, Baker tool & Spirit Completion fluids.
	On 8-8-07 Drill up plugs. Flow well & turn over to production on 8-9-07.
Mancos B ≡ 13383-85' w/3 spf	
= 13442-44' w/ 3 spf = 13503-05' w/ 3 spf	
= 13516-18' w/3 spf = 13516-18' w/3 spf = 13554-56' w/3 spf	
Mancos C	
13692-94' w/3 spf	
13823-25' w/3 spf 13876-78' w/3 spf	
13947-49' w/3 spf 14049-51' w/3 spf	
14101-03' w/3 spf 14110-12' w/3 spf	
= 14154-56' w/ 3 spf	
14258-62' w/3 spf 14296-302' w/3 spf	
= 14392-94' w/3 spf	
= 14555-57' w/ 3 spf = 14617-19' w/ 3 spf	
14648-50' w/ 3 spf 14758-60' w/ 3 spf	
14895-97' w/ 3 spf 14908-10' w/ 3 spf	
Mancos D	
15048-50' w/ 3 spf 15094-96' w/ 3 spf	
15213-15' w/3 spf 15245-47' w/3 spf	
15309-11' w/ 3 spf 15472-74' w/ 3 spf	
15588-90' w/3 spf 15682-54' w/3 spf	
15835-17 w/3 spf	
15815-17 w/ 3 spr 15819-21 w/ 3 spr 15892-94 w/ 3 spr	
15892-94 W/ 3 spr	
15919-21' w/ 3 spf 15963-65' w/ 3 spf	
15985-87' w/ 3 spf 16158-60' w/ 3 spf	
■ 16200-02' w/3 spf	
16328-29' w/ 2 spf 16362-63' w/ 2 spf	
Production Casing = 16443-44' w/ 2 spf	
Production Casing 16443-44	
Production Casing 1043-3-4	
Production Casing	
Production Casing	
Production Casing 10466-69' 4-1/2" 16486-89' w/2 spf 16482-83' w/2 spf 16482-83' w/2 spf 16538-39' w/2 spf 16538-39' w/2 spf 16715-17' w/2 spf 16723-24' w/2 spf	
Products or Cashing 10485-83' 12 spf 16486-69' 2 spf 16482-83' 2 spf	
Production Cashing 10482-83* 123 12466-69* 12 12 12 12 12 12 12 1	
Production Cashing 10-43-44 1/2 spf 16466-69 1/2 spf 16466-69 1/2 spf 16482-83 1/2 spf 16482-83 1/2 spf 16582-83 1/2 spf 16582-83 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 16715-17 1/2 spf 1/2 sp	
Size: 4-1/2" 16466-69' w/ 2 spf	



CONFIDENTIAL

43-047-38990 485*2*0e

Page 1 of 14 Questar E & P **Operations Summary Report** Well Name: GB 1M-4-8-22R Spud Date: 1/24/2007 Location: 4-8-S 22-E 26 Rig Release: Rig Name: ROCKY MTN WS Rig Number: 3 From - To Hours Code Description of Operations Code On 6/27/07 - Initial Completion Report. 7:00 AM Conduct safety meeting. MIRU IPS Flow Back Equipment. Spectrum fluid 6/28/2007 06:00 - 16:00 10.00 LOC ser Zeco pit & shaker. 2:00 PM - MIRU Bronco Flow Cross BOP HCR Master Valve. IPS CTU Fluid pump. MU Lubricator, NU WH, Chain down & secure well. 24 Hour Forecast: Starting in hole to drill out cement. 6/29/2007 06:00 - 16:00 10.00 BOP On 6/28/07 - 7:00 AM Conduct safety meeting, Unchain ND lubicator from WH. MU Baker BHA. CTC pull test 25K. MU 2-7/8" jars, MU CT disc circsub. MU MTR 3 paker BHA. CTC pull test 29K. MV 2-/18* jars. MV C1 disc circsub. MV MIR 3 tooth drag bit. Surface test MTR, circsub opened replaced circ sub. Retest it opened. Replaced got good surface test. NU on WH test - all lines & WH equipment to 8000 psi BO Open well. 10:000 AM- Start in hole pumping 5 BPM to 2 BPM tag cement @ 10:861' fell through CIH to 11015. Fell through CIH to 11015. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00 PM. Total footage drilled 630. 24 Hour Forecast: Drillout cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083 On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 6/30/2007 06:00 - 16:00 10.00 DRL 7:00 AM Open well. TIH tag @ 11500'. Start drilling cement. 11:30 AM-11,860. PU of BTM, SIcsg psi to 3500 psi, surged back CIH drilling to 12651. SIcsg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bbls gel sweeps CWC. POOH secure well. TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL 1781'. 24 Hour Forecast: Drillout cement. Csq Size: 4-1/2" 15.1# Csg Sizes. 4-1/2: 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 12852'. CiH Drilling cement 2-4 FPM to 13280'. 7/1/2007 06:00 - 16:00 10.00 DRL

Printed: 11/6/2007 3:26:47 PM

1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bibls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM-

TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409'

24 Hour Forecast: Drillout cement.

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

rig Name.	KUCKI WI	14 442			Rig Number: 3
Date	From -To	Hours	Code	Sub Code	Description of Operations
7/1/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/2/2007	06:00 - 16:00	10,00	DRL	4	Cegl Depart: 17,000. On 77/107, @ 6:00 AM Conduct Safety Meeting. BO 3 tooth drag mill. MU Baker 3,701 Carbide Hurricane mill. Surface test MTR, NU on WH test lines and WH equipment to 8K BO Open Well. TIH Tag @ 13288'. CIH drilling cement @ .5 to 1 FPM.
					200 PM- Plugged choke w/very course cut cement. Stop drilling pump. 15 BBL gel sweep. Clean well. SI csg psi up to 3500 . Surge back, CIH drilling to 13860'. PU pump 16 BBL Sweep CWC. POOH. SI well. ND Lubricator BO 3.701 Hurricane mill. BO MTR. MU MTR. MU 3 tooth drag bit. NU on WH. Secure well. SDFN @ 7:00 PM.
					TOTAL FOOTAGE DRILLED TODAY = 572' - TOTAL 2981'
					24 Hour Forecast: Drillout cement.
7/3/2007	06:00 - 16:00	10.00	DRL	4	Ceg Size: 4-1/2" 15.1# Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 17,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 18,083 Ceg Depth: 17,083 Ceg Dep
				l	TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140'
				i	24 Hour Forecast: Drillout cement.
7/4/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083 On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/6" 5000. Surface test MTR w/ 3.701 3 tooth drag mill, test lines & WH equipment to 8K - BO Open well. TiH pumping .5 to 2 BPM. Tag @ 14984*. ClH drilling to 15590*. PU 300*. Clean well up. ClH drilling picking up 50* for every 100* drilled. Pumping gel sweeps every 50°. Drilled ClH to 16300*. Pump 15 bbl gel sweep CWC. POOH. Secure well. ND lube BO mill & MTR. MU new MTR. MU same mill 3.701 . NU WH. SDFN @ 8:00 PM.
					TOTAL FOOTAGE DRILLED TODAY = 1316' - TOTAL = 5439'
					24 Hour Forecast: Drillout cement.
7/5/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083 On 7/407 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTR w/3.701 3tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TiH pumping .5 to 2 BPM. Tag @ 16315. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 17058: Tag & stall. PU 50' RIH to 17058'. Tag & stall. PU 6T BTM pump 20 bble 80 VIS Sweep. PU to 16000. SI csg PSI to 3500 psi. Surge back. RiH circ 2 BTM up w/ 3 - 20 bbl 80 VIS Sweeps. To surface displace gel water w/ 191 bbl 2%

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

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Date	From - To	Hours	Code	Sub Code	Description of Operations
7/5/2007	06:00 - 16:00	10.00	DRL	4	KCL. POOH. RDMO IPS CTU & Pumps 17058 + 22' KB 17080'. Clean & jet spectrum tank.
				ŀ	TOTAL FOOTAGE DRILLED TODAY = 743' - TOTAL = 6197' Relieved by Mike Hagen (580)254-4394.
					24 Hour Forecast: Run cased hole logs,
7/7/2007	06:00 - 16:00	10,00	LOG	2	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083" On 7/8/07, @ 12:30 PM MIRU Schlumberger EWL, Crane. NU 4-1/16" x 15K Crossover Flange on top of production tree. Open up master valves on tree to check pressure on csg off. Make up 3.623" DTI Cased Hole Logging Tools and start in hole @ 5:00 PM. Engineer was going in hole too fast abd hit fluid @ 381' and jumped line off shelve. Shut down to fix line and continue in hole with logging tools and set down @ 16,095". Work log tools upflown to try and get through spot. Could not get through spot w/ repeated attempts. Called Mr. Stahl to inform him where we set down at. POOH w/ logging tools and RDMO Schlumberger Logging Truck, Crane. Secure well for the right and shut down.
					24 Hour Forecast: MIRU IPS Coil Tbg Unit and RIH down to 16,095° and clean out to bottom.
7/8/2007	06:00 - 16:00	10.00	TRP	9	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 77/107, MiRU IPS Coil Tubing Unit & pull test CC to 25K and pressure test to 2500#. Function test motor to @ 2.0 bibs 2800#. NU to production tree and RIH with 2.88" x 2.375" Coil Connector, 2.88" x 2.375" Dual Back Pressure Valve, 2.88" x 2.375" Bowen Coil Tubing Jars, 2.88" x 2.375" Hydraulic Disconnect, 2.88" x 2.375" Bowen Coil Tubing Jars, 2.88" x 2.375" Vall Circulation Valve, 2.88" x 2.375" Vall PhaviDrill Motor, X-Over Sub 2-3/8" Reg x 2-3/8" PAC (BXP). RIH w/ coil tbg & hit a small bobble @ 16,093" only about 2K difference pushed right through and RIH down to 17,063" & pick up 5" off bottom & pump 10 bbls FR Pill. Circulate bottoms up & POOH with C/T & shut production tree in. RD C/T Unit. SDFWE.
				İ	24 Hour Forecast: Leave C/T on standby for Monday if Bond Log won't go through.
7/10/2007	06:00 - 16:00	10.00	LOG	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083 On 7/9/07, MIRU Cutters EWL and NU 4-1/16" x 15K x 10 K crossover spool. RIH w/3.625" GR\/JB down to 17,065" (EWL Measurement) & POOH w/ same. Had few pieces of cement in JB on surface. RIH w/ CCL/2.375" CBL tool down to PBTD & start pulling bond log holding 2000# pressure @ 14,000" CBL quit working. POOH & fixed bond tools. RIH back down to 14,000" where tool quit working and start logging again. Pull CBL up to 5000" per Mr. Stahl's instructions. Shut down logging & POOH w/ CBL tools & secure well. RDMO EWL, Hot Oiler.
					TOC @ 12,610' 20-30% bond down to 13,200'. Excellent cement from 13,200' down to 17,065' 95-100% bond.
					24 Hour Forecast: MIRU PLS EWL to run Temp & Noise Survey.
}	}				Csg Size: 4-1/2" 15.1#
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Rig Name:	110011					Rig Number: 3
Date	Frem	То	Hours	Code	Sub Code	Description of Operations
7/10/2007 7/11/2007	06:00 - 1 06:00 - 1		10.00 10.00		4	Csg Depth: 17,083 On 77/1007 MRU PLS EWL Truck, Mast. NU 4-1/16" x 15K x 5K flange on top of production tree. RIH w/ CCL, 1-3/4" Temp & Noise Tool down to 15,000. Pull back up to 12,000' and open up surface valve through Parchmans flow manifold to tank 20/64" choke 6000# pressure. BHT @ 12,000' was 219"F with well flowing to tank. Pressure had dropped down to 4500# 219"F. Silckline operator was adjusting trailer mounted mast and crimped line and shorted out tools. Shut surface valve in and POOH w/ tools. Secure well for the night.
						24 Hour Forecast: MIRU PLS EWL to rerun Temp & Noise Survey. No cost for wireline services today.
7/12/2007	06:00 - 1	16;00	10.00	rog	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 17.082. Csg Depth: 18.082. Csg Depth
7/15/2007	06:00 - 1	16:00	10.00	LOG	2	24 Hour Forecast: Clean up log & sned to Denver. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083" On 7/14/07, MRU Schlumberger EWL Services, Crane. RIH w/ 3.56" GR/JB down to PBTD @ 17,085'. Start POOH w/ CCL, GR, JB and @ 16,550" JB was pulling tight with approx 1200# of tension over. Called Mr. Stahi to inform him of tight spot. Schlumberger willstay above tight spot and pull Sonic Image Tool from 16,500" - 12,600" and Gamma Ray/Neutron log from 12,600" up to 5,000". POOH w/ tools and secure well RDMO Schlumberger. 6:00 AMon 7/15/07 - Operator was pulling 200" repeat pass and will RDMO this AM. JB had thin peices of cement in it on surface.
8/8/2007	06:00 - 1	16:00	10.00	PERF	2	24 Hour Forecast: Process and send logs to Denver for evaluation. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' Report dated 7/4/07 by Rob Odorn TIGHT HOLE. Continuation of completion report. The prod.csg.was drilled out with coil tbg.to a PBTD of 17063'. The well was logged with Cutters WL on 7/9/07 with a CBLV/DL/CR log. The well was logged with Schlumberger on 7/14/07 with a Dipole Sonic/GR/Porosity log. All csg.and valves were pressure tested to 11500# with Quick Test. On 8/6/07 Si Intermediate pressure was 6400#. Bled off with Parchman to a small blow on AM of 8/7/07. On 8/8/07 MRU OWP and perforated the following zones as follows using a 2-1/2" csg.gun at 2 JPF and 120" phasing per

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 3

Date I	From - To				
union y top place places	riulii - iu	Hours	Code	Sub Code	Description of Operations
	6:00 - 16:00	10.00	PERF	2	the CBL log dated 7/8/07: Frontier: 16328-29'; 16362-65'; 16443-44'; 16466-69'; 16482-83'; 16538-39'; 16664-65'; 16715-17' & 16723-24'; Dakota Silt: 16798-99'; 16838-59'; 16907-05'; Dakota: 16994-96'; 17026-27' 1625-99'; 16383-99'; 166064-65'; 16715-17' & 16723-24'; Dakota Silt: 16798-99'; 16838-59'; 16907-05'; Dakota: 16994-96'; 17026-27' 1627-1628-17027' - FRON_/DAK_SILT/DAKOTA): Frac this interval using a 12# linear gel as follows: Breakdown with 1000 gal. of 15% HCL and 50-776' Blo-balls followed by a 20000 gal.pad and stage 0.5 to 2 ppg 30/50 mesh Econoprop in 43000 gal.of fluid and flush with 10595 gal.of slick water. Pad contained 5000# of 100 mesh sand. Total of 50400# of sand and a total load of 2005 blt_Max_trate=44'; Ave=20 BPM; Max_psi=11483#, Ave=9495#; Lubricate in a 4-12" comp/rac pluig and set at 16273'. Perforate per the CBL log dated 7/90'70' the following intervals using a 2-12" cag.gum at 3 JPF and 120" phasing: Mancos D: 15815-17'; 15819-21'; 15892-94'; Frontier: 15919-21'; 15963-65'; 15965-87'; 16158-60' & 16200-02'; (48 holes). ZONE#2 (15815-16202' -MANCOS D/FRONTIER): Frac this interval using a slick water system as follows: Pump 400 gal.of 15% HCL followed by a 16000 gal.pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 24500 gal.of fluid and had 2-10000 gal.spacers between sand stages. Flush with 15900 gal.of slick water. Total of 14004 sand. Total load of 1409 blt_Max_414', Ave=35. Max_psi=11242#; Ave=10588#, ISIP=7893# (43). Lubricate in a comp.frec plug and set at 15709'; Perforate per the above gun and log at 3 JPF the following Mancos D intervals: 15048-50'; 15064-96'; 15213-15'; 15245-47'; 15309-11'; 15472-74'; 15588-90'; 15652-54' (48 holes). ZONE#3: Flose-1509 (1568-150) (15904-96'; 15213-15'; 15245-47'; 15309-11'; 15472-74'; 15588-90'; 15652-54' (48 holes). ZONE#4: FRON_/DAK_/SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16242-83'; 16533-39' 166662-55' (15716-17' 16722-24'; 16788-90'; 16588-59'; 16907-08' 16944-96'; 17028-27'; 2001-85'; 15908-65'; 15909-96'; 15213-

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release:

Rig Number: 3

Sub. Code Date From - To Code Hours Description of Operations 8/9/2007 06:00 - 16:00 PERF 120" phasing per the CBL log dated 7/9/07 @ 3 JPF: 14555 -57'; 14617- 19'; 14648-50'; 14758-60'; 14895-97' & 14908-10' (48 holes). 10.00 1468-5-07, 14768-6-07, 14895-97 & 14908-107 (48 holes).
Zone ##4; (14555 - 144917 - Mancos "C1"): Frac this interval down csg using a 2% KCL slickwater system as follows: Pump 400 gals of 15% HCL acid followed by a 16000 gal pad and stage 0.25 to 1.25 ppg 30/50 Econoprop in 50000 gals of fluid and had 3-10,000 gal spacers in between the sand stages and flush with 9531 gals of slick water. Total of 44600# of sand and a total load of 2585 bbl. Max rate = 45.9 BPM; avg rate = 39.2 BPM; Max psi = 11420#; avg psi = 10375#; ISIP = 6888# (.91). Libricate in a 4-1/2" comp frac plug and set at 14430. Perforate the following Mancos "C" intervals per the above gun and log: 14258-62"; 14296-14302" & 14392-94' (36 holes). 14392-94" (36 noises).

Zone #5 (14258" - 14393" - Mancos "C"): Frac this interval using a 2% KCL 10# linear gel water system as follows: Pump 1400 gals of 15% HCL acid followed by a 15000 gal pad abd stage 0.5 to 1.5 ppg 30/50 mesh Econoprop in 27800 gals of fluid and went to flush due to possible screen-out. Flushed successfully with 9366 gals of slick water. Total of 26630# of sand and a total load of 1270 bbls. Max rate gas or stick weat. Total of 2000% of saint and a total total total of 12/0 both. Max rate = 45.6 BPM, avg rate = 39.6 BPM, max psi = 11395#, avg psi = 10280#, ISIP = 6965# (.33). Lubricate in a comp frac plug and set at 14170. Peforate per the above gun & log the following Mancos "C" intervals: 13823-25; 13876-78; 13947-49; 14049-51; 14101-05; 14110-12 & 141545-56 (42 holes). Zone #6 (13823' - 14156' - Mancos "C"): Frac this interval using a 2% KCL slickwater system as follows: Pump 1400 gals of 15% HCL followed by a 22000 gal pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 52500 gals of fluid with 3-6500 gal spacers in between sand stages and flush with 9100 gals of fluid with 3-6500 gal spacers in between sand stages and flush with 9100 gals of fluid with 3-6500 gal spacers in between sand stages and flush with 9100 gals of fluid with 3-6500 gals ped 1345004 for 5 and and a total load of 2625 bbl. Max rate = 46.4 BPM, avg rate = 45.6 BPM, max psi = 10580#, avg psi = 8774#, ISIP = 6821# (.93). Lubricate in a comp frac plug and set at 13720. Perforated the following intervals per the above gun & log: Mancos "B": 13383-85; 13442-44*; 13503-05; 13561-18; 13564-56; Mancos "C" = 13982-94; (36 holes).NOTE: MANCOS B' ZONES 13274-76 & 13311-13 DID NOT GET PERFORATED DUE TO MISRUN. Zone #7 (13383' - 13894' - Macnos "B" & "C"): Frac this interval with a 10# linear 29% KCL water system as follows: Pump 1400 gals of 15% HCL acid followed by a 19000 gal ped and stage 0.5 to 2 ppg 30/50 mesh Econoprop in 31500 gals of fluid and flush with 7865 gals of slick water. Total of 40800# of sand and a total load of 1420 bbls. Max rate = 38.8 BPM, avg rate = 30.7 BPM, max psi = 11263#, avg psi = 9842#, ISIP = 6516# (1092). Sl the well and RDMO service companies. Open the well at 10000 PM after a 2-1/2 hour Sl period. SICP = 6650#, At 5:30 AMn 8/9/07 = 45.6 BPM; avg rate = 39.6 BPM; max psi = 11395#; avg psi = 10280#; ISIP = well at 10:00 PM after a 2-1/2 hour SI period. SICP = 6650#. At 5:30 AM on 8/9/07 SICP = 8750# on a 12/64" choke with lite sand and a rate of 103 BPH of water with no gas and a total recovery in the last 7-1/2 hours of 735 bbls. Will MRU IPS Coil Unit this AM and clean out well. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' LLTR: 11995 Gals Peris: ZONE#1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44;16468- 69 16432-83; 16538-39; 16664-65; 16715-17 16723-24; 16798-96; 16858-59; 16907-08 16994-96; 17026-27. ZONE #2: FRONTIER/MANCOS 'D'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

nag mamo.	ROCKY MT	14 442			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
/9/2007	06:00 - 16:00	10,00	PERF	2	15815-17; 15819-21; 15892-94; 15919-21; 15963-65; 15965-87; 16158-60; 16200-02 ZONE#3: MANCOS D' 15048-96; 15213-15; 15245-47* 15308-11; 15472-74; 15588-90; 15652-54* ZONE#4: MANCOS C' 14908-10; 14895-97; 14794-96; 14758-60* 14708-10; 14895-97; 14794-96; 14758-60* 14708-96; 14895-97; 14298-96; 14895-97; 14298-96; 14895-97; 14298-96; 14895-97; 14298-96; 14895-97; 14298-96; 14895-97; 14298-96; 14895-97; 14298-94; 14298-9
		:			ZONE #6: MANCOS C" 14154-56; 14110-12; 14101-03 14049-51; 13947-49; 13876-78; 13823-25 ZONE #7: MANCOS "B" & "C" 13692-94; 13554-56; 13516-18; 13503-06 13442-44; 13383-85; 13311-13; 13274-76
10/24/2007	06:00 - 16:00	10,00	PERF	2	RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS:
					On 10/23/07 MIRU Rocky Mtn. WS to resume completion of well. MI related equipment. On 10/24/07 will RIH with gauge ring and if OK with set a comp BP. perforate squeeze holes and set a WL set cement retainer. Cesing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17/083" FC@ 17/080"
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44;16468- 69' 16482-83; 16593-93 16864-65; 16715-17' 16723-24; 16799-95; 16885-59; 16907-08' 16994-96; 17028-27; ZONE #2: FRONTIER/MANCOS D' 15915-17; 15819-21; 15892-94; 15919-21; 15938-85; 15988-87; 16158-60; 16200-02' ZONE #3: MANCOS D' 15048-50; 15094-96; 15213-15; 15245-47' 15309-11; 15472-74; 15588-90; 15652-54' ZONE #4: MANCOS C' 14908-10; 14895-97; 14794-96; 14758-60' 14703-05; 14698-50; 14617-19; 14555-57' ZONE #5: MANCOS C' 14392-94; 14296 - 14302'; 14258-62' ZONE #6: MANCOS C' 14154-56; 14110-12; 14101-03' 14049-51; 13947-49; 13876-78; 13823-25'
10/25/2007	06:00 - 16:00	10,00	PERF	2	ZONE #7: MANCOS "B" & "C" 13692-94; 13554-56; 13516-18; 13503-05 13442-44; 13383-65; 13311-13; 13274-76 TIGHT HOLE - On 10/24/07 SICP = 640#, SIAP = 280#, MIRU Cutters WL and ran

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

ing maine.	ROCKY MI	14 442			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
10/25/2007	06:00 - 16:00	10.00	PERF	2	a 3.625" gauge ring to 13280" - OK. Set a CBP @ 13280". Fill csg with 140 bble of 2% KCL water and test csg and plug to 4000# - held OK. Bled csg down to 1000#, Perforate squeeze holes from 13150 - 13152" (8 holes) at 4 JPF and 90" phasing using a 3-1/8" csg gun. Open 4-1/2" x 9-5/8" annulus to the pit before perforating and lost 600# on the 4-1/2" csg after perforating with no change in the gas blow from the annulus. POOH with gun. Attempt to break down csg squeeze holes with returns up the 4-1/2" x 9-5/8" annulus several times at 4000# max and would not break down after surging back each time. Left 1000# SICP on the wellovernight and SIFN. On AM of 10/28/07 SICP = 1800# & SIAP = 50#. 24 Hour Forecast: Will run a bond log. Casing size: 4-1/2" 15.# P-110 & Q125 Casing depth: 17083" FC@ 17080" Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44; 16468-8 69" 14482-83; 16583-39 16684-65; 16715-17" 16723-24; 16798-99; 16858-59; 16907-08" 16994-96; 17028-27. ZONE #2: FRONTIER/MANCOS D' 15815-17; 15819-21; 15892-94; 15919-21; 15992-91; 15729-17; 15899-17; 16188-90; 16200-02' ZONE #3: MANCOS C' 14908-10; 14858-57; 14794-96; 14758-60' 14703-05; 14868-50; 15934-96; 15213-15; 15245-47' 15399-11; 15488-57; 14617-19; 14555-57' ZONE #5: MANCOS C' 14392-94; 14296' - 14302; 14558-62' ZONE #5: MANCOS C' 14392-94; 14304-14302; 14258-62' ZONE #5: MANCOS C' 14392-94; 14304-14306-18; 13503-05' 13842-44; 13534-45; 13564-56; 13516-18; 13503-05' 13842-44; 13533-85; 13311-13; 13274-76'
10/26/2007	06:00 - 16:00	10.00	rog	4	TIGHT HOLE - On 10/25/07 SICP = 1800# & SIAP = 50#. Bled off csg. RU Cutters WL to run a CBL/VDL/GR log. RIH to 13150' & having too much gas interference to obtain valid data. POOH with logging tools. WL set a CBP @ 13140' & test plug to 4000# after filling the hole with 14 bits of water. Re-run log from 13140' to 9950' and starting to have too much gas interference at 9950'. Lay down logging tools and SIFN. Will allow gas to migrate up the hole in order to obtain good bond log data. On AM of 10/26/07 SICP = 1100# & SIAP = 80#. 24 Hour Forecast: Will continue to run log. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083" FC@ 17080' Perfs:

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

rug rvaine.	ROCKY MT	14 775			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
0/26/2007	06:00 - 16:00	10,00	LOG	4	ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT
			ŀ		16328-29'; 16382-83'; 16443-44';16468- 69'
			Ī		16482-83"; 16538-39' 16664-65"; 16715-17'
					16723-24'; 16798-99'; 16858-59'; 16907-08'
ļ					16994'-96'; 17026-27'.
	Į.				ZONE#2: FRONTIER/MANCOS 'D'
	1				15815-17'; 15819-21'; 15892-94'; 15919-21';
1	1		1		15963'-65'; 15985-87'; 16158-60'; 16200-02'
	ì		ł	1	ZONE#3: MANCOS 'D'
			ł	ł	15048-50; 15094-96; 15213-15; 15245-47'
	[.		į	1	15309-11'; 15472-74'; 15588-90'; 15652-54'
		ł	Ì	İ	ZONE #4: MANCOS 'C'
			ŀ		14908-10'; 14895-97'; 14794-96'; 14758-60'
	ļ i				14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE#5: MANCOS "C"
					14392-94'; 14296 - 14302'; 14258-62'
			I	l	ZONE #6: MANCOS 'C"
	1				14154-56; 14110-12; 14101-03
					14049-51'; 13947-49'; 13876-78'; 13823-25'
]			l	ZONE#7: MANCOS "B" & "C"
	1		l	l	13692-94'; 13554-56'; 13516-18'; 13503-05'
	i		l	ļ	13442-44', 13383-85', 13311-13', 13274-76'
			1.	1	
10/29/2007	06:00 - 16:00	10,00	LOG	2	TIGHT HOLE -On 10/26/07 SICP = 1100# and SIAP = 80#. Bled down csg to 0# in
				l	5 minutes. RU Cutters WL and continue to run a CBL/VDL/GR log from 10700' to
					4800' with no pressure on well. RDMO Cutters WL and SIFWE.
					24 Hour Forecast: Will NDWH & NU BOP's and start to pick up tbg.
	!			l	Casing size: 4-1/2" 15.1# P-110 & Q125
					Casing depth: 17083' FC@ 17080'
			ļ	ļ	Perfs:
			}	1	ZONE#1: FRONTIER/DAKOTA/DAKOTA SILT
			Ì	1	16328-29'; 16382-83'; 16443-44';16468- 69'
			ł	1	16482-83'; 16538-39' 16664-65'; 16715-17'
			ĺ	1	16723-24'; 16798-99'; 16858-59'; 16907-08'
			l	i	16994'-96'; 17026-27'.
	1		l	I	ZONE #2: FRONTIER/MANCOS 'D'
			l	I	15815-17'; 15819-21'; 15892-94'; 15919-21';
	l i			l	15963'-65'; 15985-87'; 16158-60'; 16200-02'
				l	ZONE#3: MANCOS 'D'
				l	15048-50; 15094-96; 15213-15; 15245-47'
	į l		l	I	15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE#4: MANCOS 'C'
	1		l	I	14908-10'; 14895-97'; 14794-96'; 14758-60'
			l	l	14703-05'; 14648-50'; 14617-19'; 14555-57'
	1		l	l	ZONE #5: MANCOS "C"
	1	;		1	14392-94'; 14296' - 14302'; 14258-62'
					ZONE#6: MANCOS 'C"
					14154-56; 14110-12; 14101-03
				1	14049-51'; 13947-49'; 13876-78'; 13823-25'
				1	ZONE#7: MANCOS "B" & "C"
				1	•
		· '	}	1	
	l			<u> </u>	
					Drinter: 11/6/2007 3:26:47 DM

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/ Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
10/29/2007	06:00 - 16:00	10,00	LOG	2	13692-94; 13554-56; 13516-18; 13503-05 13442-44; 13383-85; 13311-13; 13274-76
10/30/2007	06:00 - 16:00	10.00	вор	1	TIGHT HOLE - On 10/29/07, SICP = 0# & SIAP = 450#. ND 15K frac valve and NU 4-1/16" x 15K BOP stack with 1 set of blind rams and 2 sets of pipe rams. SIFN.
					24 Hour Forecast: Will start to pick up tog.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
				The state of the s	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44;16468- 69' 16482-83; 16538-39; 16684-66; 16715-17' 16723-24; 16798-96; 16858-59; 16907-08' 16994-96; 17026-27' ZONE #2: FRONTIER/MANCOS D' 15915-17; 15819-21; 15892-94; 15919-21; 15938-65; 15968-87; 16158-60; 16200-02' ZONE #3: MANCOS D' 15048-50; 15094-96; 15213-15; 15245-47' 15309-11; 15472-74; 15588-90; 15682-54' ZONE #4: MANCOS C' 140808-10; 14858-97; 14794-96; 14758-60' 14703-05; 14648-50; 14617-19; 14555-57' ZONE #5: MANCOS C' 14154-56; 14110-12; 14101-03' 14098-51; 13947-49; 13876-78; 13823-25' ZONE #7: MANCOS C' 13829-94; 13554-56; 13561-816; 13503-05' 13842-44; 13383-85; 13311-13; 13274-76'
10/31/2007	06:00 - 16:00	10.90	ВОР	1	TIGHT HOLE -RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/30/07 SICP=0#. Tally and rabbit in the hole with new 2-3/6" EUE 8rd 4.7# P-110 tbg.to 11300'. SIFN. On 10/31/07 will continue to pick up tbg.and will circ.hole with 2% KCL water and start to POOH with tbg
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE#1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29', 16382-83', 16443-44';16468- 69' 16482-83', 16538-39' 16664-65', 16715-17'
					16723-24; 16798-99; 16858-59; 16907-08 16994-96; 17026-27; ZONE #2: FRONTIER/MANCOS D'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release:

Rig Number: 3 Sub Code Date From - To | Hours Description of Operations 10/31/2007 06:00 - 16:00 BOP 15815-17; 15819-21; 15892-94; 15919-21; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE#3: MANCOS 'D' ZONE#S: MANCOS D' 15048-50; 15094-96; 15213-15; 15245-47 15309-11; 15472-74; 15588-90; 15652-54 ZONE#4: MANCOS C' 14908-10; 14895-97; 14794-96; 14758-60' 14703-05; 14648-50; 14617-19; 14555-57 ZONE#5: MANCOS C'' 24000 0 ZONE #6: MANCOS "C" 14382-94; 14296 - 14302; 14258-62 ZONE #6: MANCOS "C" 14154-56; 14110-12; 14101-03 14048-51; 13947-49; 13876-76; 13823-25 ZONE #7: MANCOS "B" & "C" 13692-94", 13554-56", 13516-18", 13503-05' 13442-44", 13383-85", 13311-13", 13274-76' 11/1/2007 06:00 - 16:00 10.00 TRP TIGHT HOLE - On 10/31/07 SICP = & SITP = 0#. SIAP = 820#. Continue to tally and rabbit in the hole with new 2-3/8" tog and tag CBP @ 13140'. Circ hole with 2% KCL water. POOH w/tbg. SIFN. 24 Hour Forecast: Will perforate squeeze holes. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' ZONE#1: FRONTIER/DAKOTA/DAKOTA SILT 20Nc#1; FRON ILERODAKO1 A 16328-29; 16382-83; 16443-44;16468- 69; 16482-83; 16538-39; 16664-65; 16715-17; 16723-24; 16798-99; 16858-59; 16907-08; 16994-96; 17026-27. 16/22-24; 10/90-94; 10000-03; 1000/-00 16994-96; 17026-27.

ZONE #2: FRONTITIER/MANCOS D' 15815-17; 15819-21; 15892-94; 15919-21; 15862-55; 15865-87; 16156-80; 16200-02 ZONE #3: MANCOS D' 15048-50; 15094-96; 15213-15; 15245-47* 15309-11; 15472-74; 15588-90; 15662-54* ZONE #4: MANCOS C' 14698-10; 14895-97; 14794-96; 14756-60* 14703-05; 14684-50; 14617-19; 14556-57* ZONE #5: MANCOS C' 14258-62* ZONE #5: MANCOS C' 14154-56; 14110-12; 14101-03* 141049-51; 14392-94; 14394-94; 14397-87; 13876-76; 13823-25* ZONE #7: MANCOS C'B' & C'B' 13892-94; 13954-56; 13516-18; 15503-05* 13442-44; 13383-85; 13311-13; 13274-76* TIGHT HOLE - On 11/1/07 SICP = 0#. MIRU Cutters WL and perforate proposed circ/squeeze holes at the following depths using a 3-1/8" csg gun and "Prospector" charges at 2 shots each with 180" phasing: 13150' & 11550'. Had placed 2000# on 11/2/2007 06:00 - 16:00 10,00 PERF

Questar E&P **Operations Summary Report**

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Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: Rig Release: 1/24/2007

	irom - To	Hours 10.00	Code PERF	Sub Code 2	Description of Operations the csg prior to perforating and had no pressure drop. RDMO Cutters WL_ Attempt
11/2/2007 06:	:00 - 16:00	10.00	PERF	2	the csg prior to perforating and had no pressure drop. RDMO Cutters WL. Attempt
11/5/2007 06:	:00 - 16:00	10.00	отн		to pump into csg at 4000# with no break. Open csg to the pit and started to flow. Flowed back est 170 bbls of water and turned to gas and flowed the well to the pit for 2 hours on a 18/64" choke with a stabalized FCP = 1200# and a very slight mist of water. SIFN. On AMof 11/2/07 SICP = 5300#. 24 Hour Forecast: Will attempt to test well on 11/2/07. Casing size: 4-1/2" 15.1# P-110 & C125 Casing depth: 17083" FC@ 17080" Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 1643-44*;16468- 69 16482-83; 16538-39; 16684-65; 16715-17* 16723-24; 16738-39; 16868-59; 16907-09* 18984-96; 17026-27. ZONE #2: FRONTIER/MANCOS D' 15815-17; 15919-21; 15992-94; 15919-21*; 15963-65; 15965-87; 16165-60; 16200-02 ZONE #3: MANCOS D' 15908-19; 15213-15; 15245-47* 15309-11; 15472-74*; 15588-90; 15652-54* ZONE #4: MANCOS C' 14908-10; 14895-97; 14794-96; 14758-60* 14703-05; 14693-50; 14617-19; 14555-57* ZONE #6: MANCOS C' 14392-94*; 14296 - 14302; 14258-62* ZONE #6: MANCOS C' 14392-94*; 13564-56; 13516-18; 13903-05* 13442-44*; 13383-85; 13311-13; 13274-76* 20NE #7: MANCOS C' 13902-94*; 13555-56; 13516-18; 13903-05* 13442-44*; 13383-85; 13311-13; 13274-76* 20NE #6: MANCOS C' 14154-55; 1410-10; 14101-03* 14049-51; 13947-49; 13876-78; 13923-25* ZONE #7: MANCOS C' 14392-94*; 14555-56; 13516-18; 13903-05* 13442-44*; 13383-85; 13311-13; 13274-76* 20NE #7: MANCOS C' 14703-70; 1470-70; 1

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

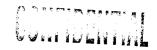
Rig Name:	KOCKI WI	N WS			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
1/5/2007	06:00 - 16:00	10,00	отн		
	1			İ	Perfs:
	i			1	ZONE#1: FRONTIER/DAKOTA/DAKOTA SILT
				ŀ	16328-29', 16382-83', 16443-44',16468- 69'
		i		l	16482-83'; 16538-39' 16664-65'; 16715-17'
		ĺ	i	l	16723-24'; 16798-99'; 16858-59'; 16907-08'
			1	l	16994'-96'; 17026-27'.
		İ	i	l	ZONE #2: FRONTIER/MANCOS D'
	j		ł	ŀ	15815-17'; 15819-21'; 15892-94'; 15919-21';
			l	Į.	15963'-65'; 15985-87'; 16158-60'; 16200-02'
			l	i	ZONE#3: MANCOS 'D'
			l	ì	15048-50; 15094-96'; 15213-15'; 15245-47'
	į .	ļ	ļ	ł .	16309-11'; 15472-74'; 15588-90'; 15652-54'
		ļ		l	ZONE#4: MANCOS 'C'
		İ		l	14908-10'; 14895-97'; 14794-96'; 14758-60'
		į .	1	ŀ	14703-05'; 14648-50'; 14617-19'; 14555-57'
			l	l	ZONE #5: MANCOS "C"
			İ	l	14392-94'; 14296' - 14302'; 14258-62'
			l	l	ZONE#6: MANCOS 'C"
			l	1	14154-56; 14110-12; 14101-03'
	1		l	1	14049-51'; 13947-49'; 13876-78'; 13823-25'
	ł		l	1	ZONE #7: MANCOS "B" & "C"
	ì	l	l		13692-94'; 13554-56'; 13516-18'; 13503-05'
		İ	l		13442-44'; 13383-85; 13311-13'; 13274-76'
1/6/2007	06:00 - 16:00	10.00	отн		Squeeze holes @ 13150' & 11550' on 11/1/07
11/0/2007	00.00 - 10.00	10.00	0111		TIGHT HOLE - On 11/5/07 SICP = 6000#. Open csg to the pit on a 14/64" choke for 2 hours with a final FCP = 2700# and dry gas. Turn the well to gas sales for
		ŀ	1	ŀ	1-1/2 hours with a final FCP = 3140# on a 16/64" choke and a final rate of 3.8
			İ	Į.	MMCFD. Had trouble with seperator and SI the well. The well will remain SI on
				l	11/6/07 pending installation of additional equipment.
					Debris in chokes appears to be cement.
		l			
			l		24 Hour Forecast: The well will remain SI pending installation of additional
		ł			equipment.
	l				Casing size; 4-1/2" 15.1# P-110 & Q125
					Casing depth: 17083' FC@ 17080'
					Perfs:
	j	l		l	ZONE#1: FRONTIER/DAKOTA/DAKOTA SILT
	!	l		l	16328-29'; 16382-83'; 16443-44';16468- 69'
	[l		1	16482-83'; 16538-39' 16664-65'; 16715-17'
	j	l			16723-24'; 16798-99'; 16858-59'; 16907-08'
		1		I .	16994'-96'; 17026-27'.
		1	!	l '	ZONE #2: FRONTIER/MANCOS 'D'
		l		I	15815-17', 15819-21', 15892-94', 15919-21',
		}	!	I	15963'-65'; 15985-87'; 16158-60'; 16200-02'
		1	!	Į į	ZONE#3: MANCOS 'D'
		l	1	l	15048-50; 15094-96; 15213-15'; 15245-47'
		1	ŀ	l	15309-11', 15472-74'; 15588-90'; 15652-54'
		l		l	ZONE#4: MANCOS 'C'
		1		I	14908-10; 14895-97; 14794-96; 14758-60
			ĺ		
	L	L	L	1	

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/6/2007	06:00 - 16:00	10.00	ОТН		14703-05; 14648-50; 14617-19; 14555-57 ZONE #5: MANCOS 'C" 144392-94; 14296 - 14302; 14258-62' ZONE #6: MANCOS 'C" 14164-56; 14110-12; 14101-03' 14404-51; 13947-49; 13876-78; 13823-25' ZONE #7: MANCOS 'B" & "C" 13682-94; 13554-56; 13516-18; 13503-05' 13442-44; 13338-38; 13311-13; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07
	Andrew and the second s				



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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007

Rig Release: Rig Number: 3

CIH to 11015'. Fell through CIH to 11378'. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491'. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00 PM. Total footage drilled 630'. 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'	Date	From - To	Hours	Code	Sub Code	Description of Operations
6/29/2007 06:00 - 16:00 10.00 BOP 1 On 6/28/07 - 7:00 AM Conduct safety meeting. Unchain ND lubicator from WH. MU Baker BHA. CTC pull test 25K. MU 2-778* jars. MU CT dies circ sub. MU MTR 3 tooth drag bit. Surface test MTs, circ sub opened replaced circ sub. MU MTR 3 tooth drag bit. Surface test MTs, circ sub opened replaced circ sub. Mu MTR 3 tooth drag bit. Surface test MTs, circ sub opened replaced circ sub. Mu MTR 3 tooth drag bit. Surface test MTs, circ sub opened replaced circ sub. Mu MTR 3 tooth orang bit. Public bit on 1104 in 1104	6/28/2007	06:00 - 16:00	10.00	LOC	4	7:00 AM Conduct safety meeting. MIRU IPS Flow Back Equipment. Spectrum fluid ser Zeco pit & shaker. 2:00 PM - MIRU Bronco Flow Cross BOP HCR Master Valve. IPS CTU Fluid pump. MU Lubricator. NU WH. Chain down & secure well.
Baker BHA. CTC pull test 25K. MU 2-7/8" jars. MU CT Glisc circ sub. Nut MTR 3 tooth drag bit. Surface test MTR, circ sub opened replaced circ sub. Retest it opened. Replaced got good surface test. NU on WH test -all lines & WH equipment to 8000 psi BO Open well. 10:00 AM - Start in hole pumping 5 BPM to 2 BPM tag cement @ 10861' fell through CIH to 11378'. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491'. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00 PM. Total footage drilled 630'. 24 Hour Forecast: Drill out cement. Cag Size: 4-1/2" 15.1# Cag Depth: 17,083' On 6/29/0"@ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 11500'. Start drilling cement. 9:30AM -11,860'. PU of BTM, SI cag psi to 3500 psi, surged back CIH drilling to 12651'. SI cag psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bbls gel sweeps CWC. POOH secure well. 7:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL. 1781'. 24 Hour Forecast: Drill out cement. Cag Size: 4-1/2" 15.1# Cag Depth: 17,083' On 6/29/0"@ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC Open rams, POOH, SI well, ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409'	6/29/2007	06:00 - 16:00	10.00	вор	1	
6/30/2007 06:00 - 16:00 DRL 10.00 DRL Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 11500'. Start drilling cement. 9:30AM - 11,600'. 11:30 AM - 11,600'. PU of BTM, SI csg psi to 3500 psi, surged back CIH drilling to 12651'. SI csg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bbls gel sweeps CWC. POOH secure well. 7:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL 1781'. 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409'	0/29/2007					Baker BHA. CTC pull test 25K. MU 2-7/8" jars. MU CT disc circ sub. MU MTR 3 tooth drag bit. Surface test MTR, circ sub opened replaced circ sub. Retest it opened. Replaced got good surface test. NU on WH test - all lines & WH equipment to 8000 psi BO Open well. 10:00 AM - Start in hole pumping 5 BPM to 2 BPM tag cement @ 10861' fell through CIH to 11015'. Fell through CIH to 11078'. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491'. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00
Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 11500'. Start drilling cement. 9:30AM - 11,600'. 11:30 AM - 11,860'. PU of BTM, SI csg psi to 3500 psi, surged back CIH drilling to 12651'. SI csg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bbls gel sweeps CWC. POOH secure well. 7:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL 1781'. 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409'						24 Hour Forecast: Drill out cement.
24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409'	6/30/2007	06:00 - 16:00	10.00	DRL	4	Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8* 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 11500'. Start drilling cement. 9:30AM - 11,600'. 11:30 AM - 11,860'. PU of BTM, SI csg psi to 3500 psi, surged back CIH drilling to 12651'. SI csg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bbls gel sweeps CWC. POOH secure well.
Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TiH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409'						
	7/1/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM -
24 Hour Forecast: Drill out cement.						
						24 Hour Forecast: Drill out cement.

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

	TOOK! WI			Cul	Tag Number. 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
7/1/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/2/2007	06:00 - 16:00	10.00	DRL	4	On 7/1/07, @ 6:00 AM Conduct Safety Meeting. BO 3 tooth drag mill. MU Baker 3.701 Carbide Hurricane mill. Surface test MTR, NU on WH test lines and WH equipment to 8K BO Open Well. TIH Tag @ 13288'. CIH drilling cement @ .5 to 1 FPM. 2:00 PM - Plugged choke w/ very course cut cement. Stop drilling pump. 15 BBL gel sweep. Clean well. SI csg psi up to 3500. Surge back, CIH drilling to 13860'. PU pump 15 BBL Sweep CWC. POOH. SI well. ND Lubricator BO 3.701 Hurricane mill. BO MTR. MU MTR. MU 3 tooth drag bit. NU on WH. Secure well. SDFN @ 7:00 PM. TOTAL FOOTAGE DRILLED TODAY = 572' - TOTAL 2981'
					24 Hour Forecast: Drill out cement.
7/3/2007	06:00 - 16:00	10.00	DRŁ	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/2/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 to 9-5/8 5000 surface. Test MTR w/ 3-5/8 3 tooth drag mill test lines & WH equipment to 8K BO. Open well - TIH pumping .5 to 2 BPM. Tag @ 13838'. CIH drilling to 14838'. PU SI csg psi up 3500 surge back. CIH drilling to 15001'. Pump 15 bbl gel sweep. CWC POOH secure well clean and jet shaker pit full of cement. Replace 300 bbl of gel system w/ fresh 2% & re-gel up. SDFN @ 9:00 PM. Will run full drift 3.701 3 tooth drag mill in AM
					TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140'
					24 Hour Forecast: Drill out cement.
7/4/2007	06:00 - 16:00	10.00	DRL.	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/8" 5000. Surface test MTR w/ 3.701 3 tooth drag mill, test lines & WH equipment to 8K - BO Open well. TIH pumping .5 to 2 BPM. Tag @ 14984'. CIH drilling to 15590'. PU 300'. Clean well up. CIH drilling picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 16300'. Pump 15 bbl gel sweep CWC. POOH. Secure well. ND lube BO mill & MTR. MU new MTR. MU same mill 3.701. NU WH. SDFN @ 8:00 PM.
					TOTAL FOOTAGE DRILLED TODAY = 1316' - TOTAL = 5439'
7/5/2007	06:00 - 16:00	10.00	DRL	4	24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/4/07 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTR w/ 3.701 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TIH pumping .5 to 2 BPM. Tag @ 16315'. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 17058'. Tag & stall. PU 50' RIH to 17058'. Tag & stall. PU off BTM pump 20 bbls 80 VIS Sweep. PU to 16000'. SI csg PSI to 3500 psi. Surge back. RIH circ 2
					BTM up w/ 3 - 20 bbl 80 VIS Sweeps. To surface displace gel water w/ 191 bbl 2%

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
//5/2007	06:00 - 16:00	10.00	DRL	4	KCL. POOH. RDMO IPS CTU & Pumps 17058 + 22' KB 17080'. Clean & jet spectrum tank.
					TOTAL FOOTAGE DRILLED TODAY = 743' - TOTAL = 6197' Relieved by Mike Hagen (580)254-4394.
					24 Hour Forecast: Run cased hole logs.
7/7/2007	06:00 - 16:00	10.00	LOG	2	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/6/07, @ 12:30 PM MIRU Schlumberger EWL, Crane. NU 4-1/16" x 15K Crossover Flange on top of production tree. Open up master valves on tree to check pressure on csg 0#. Make up 3.623" DTI Cased Hole Logging Tools and start in hole @ 5:00 PM. Engineer was going in hole too fast abd hit fluid @ 381' and jumped line off shelve. Shut down to fix line and continue in hole with logging tools and set down @ 16,095'. Work log tools up/down to try and get through spot. Could not get through spot w/ repeated attempts. Called Mr. Stahl to inform him where we set down at. POOH w/ logging tools and RDMO Schlumberger Logging Truck, Crane. Secure well for the night and shut down.
					24 Hour Forecast: MIRU IPS Coil Tbg Unit and RIH down to 16,095' and clean out to bottom.
7/8/2007	06:00 - 16:00	10.00	TRP	9	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/7/07, MIRU IPS Coil Tubing Unit & pull test CC to 25K and pressure test to 2500#. Function test motor to @ 2.0 bbls 2800#. NU to production tree and RIH with 2.88" x 2.375" Coil Connector, 2.88" x 2.375" Dual Back Pressure Valve, 2.88" x 2.375" Bowen Coil Tubing Jars, 2.88" x 2.375" Hydraulic Disconnect, 2.88" x 2.375" Dual Circulation Valve, 2.88" x 2.375" VIP NaviDrill Motor, X-Over Sub 2-3/8" Reg x 2-3/8" PAC (BXP). RIH w/ coil tbg & hit a small bobble @ 16,093' only about 2K difference pushed right through and RIH down to 17,063' & pick up 5' off bottom & pump 10 bbls FR Pill. Circulate bottoms up & POOH with C/T & shut production tree in. RD C/T Unit. SDFWE.
					24 Hour Forecast: Leave C/T on standby for Monday if Bond Log won't go through.
7/10/2007	06:00 - 16:00	10.00	LOG	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/9/07, MIRU Cutters EWL and NU 4-1/16" x 15K x 10 K crossover spool. RIH w/ 3.625" GR/JB down to 17,065' (EWL Measurement) & POOH w/ same. Had few pieces of cement in JB on surface. RIH w/ CCL/2.375" CBL tool down to PBTD & start pulling bond log holding 2000# pressure @ 14,000' CBL quit working. POOH & fixed bond tools. RIH back down to 14,000' where tool quit working and start logging again. Pull CBL up to 5000' per Mr. Stahl's instructions. Shut down logging & POOH w/ CBL tools & secure well. RDMO EWL, Hot Oiler.
					TOC @ 12,610' 20-30% bond down to 13,200'. Excellent cement from 13,200' down to 17,065' 95-100% bond.
					24 Hour Forecast: MIRU PLS EWL to run Temp & Noise Survey.
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

	1			0	Tig rumber. 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
7/10/2007 7/11/2007	06:00 - 16:00 06:00 - 16:00	10.00 10.00		4 4	Csg Depth: 17,083' On 7/10/07 MIRU PLS EWL Truck, Mast. NU 4-1/16" x 15K x 5K flange on top of production tree. RIH w/ CCL, 1-3/4" Temp & Noise Tool down to 15,000'. Pull back up to 12,000' and open up surface valve through Parchmans flow manifold to tank 20/64" choke 6000# pressure. BHT @ 12,000' was 219"F with well flowing to tank. Pressure had dropped down to 4500# 219"F. Slickline operator was adjusting trailer mounted mast and crimped line and shorted out tools. Shut surface valve in and POOH w/ tools. Secure well fo rthe night.
					24 Hour Forecast: MIRU PLS EWL to rerun Temp & Noise Survey. No cost for wireline services today.
					Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/12/2007	06:00 - 16:00	10.00	LOG	4	On 7/11/07, MIRU PLS EWL, Mast, check surface pressure 4500#. Open up surface through Parchman's manifold to tank 20/64" choke. RIH w/ CCL, 1-3/8" Temp & Noise Tool down to 5000' and record temp -122°F for 25 minutes. RIH down to 15,000' to start base log. Pull back up to 9100' and log back down and @ approx. 9500' log was showing gas entry. Continue down hole down to 10,000' and stop. Pull through spot @ 9500' with the same results. Pull up to 5000' and turn on noise log and continue down hole stopping every 100' to record noise. Stop @ top of 7" liner and record noise level (No change). Continue down hole to 9100' stopping in 50' intervals. Stop @ 9400' and noise level and temp were changing. Continue down to 9475' and stop and record temp/noise level. Called Mr. Stahl to inform him that gas entry according to noise log was @ 9475'. RIH down to 12,620' below 7" liner and record noise levels. No gas entry was showing up on temp/noise log. POOH w/ tools and shut surface valve in and secure well.
					24 Hour Forecast: Clean up log & sned to Denver.
					Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/15/2007	06:00 - 16:00	10.00	LOG	2	Con 7/14/07, MIRU Schlumberger EWL Services, Crane. RIH w/ 3.56" GR/JB down to PBTD @ 17,085'. Start POOH w/ CCL, GR, JB and @ 16,550' JB was pulling tight with approx 1200# of tension over. Called Mr. Stahl to inform him of tight spot. Schlumberger will stay above tight spot and pull Sonic Image Tool from 16,500' - 12,600' and Gamma Ray/Neutron log from 12,600' up to 5,000'. POOH w/ tools and secure well RDMO Schlumberger. 6:00 AM on 7/15/07 - Operator was pulling 200' repeat pass and will RDMO this AM. JB had thin peices of cement in it on surface.
					24 Hour Forecast: Process and send logs to Denver for evaluation.
					Csg Size: 4-1/2" 15.1#
8/8/2007	06:00 - 16:00	10.00	PERF	2	Csg Depth: 17,083' Report dated 7/4/07 by Rob Odom TIGHT HOLE. Continuation of completion report. The prod.csg.was drilled out with coil tbg.to a PBTD of 17063'. The well was logged with Cutters WL on 7/9/07 with a CBL/VDL/GR log. The well was logged with Schlumberger on 7/14/07 with a Dipole Sonic/GR/Porosity log. All csg.and valves were pressure tested to 11500# with Quick Test. On 8/6/07 SI intermediate pressure was 6400#. Bled off with Parchman to a small blow on AM of 8/7/07. On 8/8/07 MRU OWP and perforated the following zones as follows using a 2-1/2" csg.gun at 2 JPF and 120* phasing per

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/8/2007	06:00 - 16:00	10.00	PERF	2	the CBL log dated 7/9/07: Frontier: 16328-29'; 16362-63'; 16443-44'; 16466-69'; 16482-83'; 16538-39'; 16664-65'; 16715-17' & 16723-24'; Dakota Silt: 16798-99'; 16858-59'; 16907-08'; Dakota: 16994-96'; 17026-27' (32 holes). No pressure after perforating. SIFN. On 7/8/07 frac as follows below: ZONE #1 (16328-17027' - FRON./DAK.SILT/DAKOTA): Frac this interval using a 12# linear gel as follows: Breakdown with 1000 gal. of 15% HCL and 50-7/8" Bio-balls followed by a 20000 gal.pad and stage 0.5 to 2 ppg 30/50 mesh Econoprop in 43000 gal. of fluid and flush with 10595 gal. of slick water. Pad contained 5000% of 100 mesh sand. Total of 50400% of sand and a total load of 2005 bblMax.rate=44; Ave=20 BPM; Max.psi=11483#; Ave=9495#; Lubricate in a 4-1/2" comp.frac plug and set at 16273'. Perforate per the CBL log dated 7/9/07 to 1610kwing intervals using a 2-1/2" csg.gun at 3 JPF and 120' phasing: Mancos D: 15815-17'; 15819-21'; 15892-94'; Froniter: 15919-21'; 15963-65'; 15985-87'; 16158-60' & 16200-02'; (48 holes). ZONE#2: (15815-16202' -MANCOS D//FRONTIER): Frac this interval using a slick water system as follows: Pump 400 gal.of 15% HCL followed by a 16000 gal.pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 24500 gal.of fluid and had 2-10000 gal.spacers between sand stages. Flush with 15800 gal.of fluid and had 2-10000 gal.spacers between sand stages. Flush with 15800 gal.of fluid and had 2-10000 gal.spacers between sand stages. Flush with 15800 gal.of slick water Total of 14200# sand. Total load of 1450 bblMax=414; Ave=35.8; Max.psi=11542#; Ave=10588#; ISP=7839# (93). Lubricate in a comp.frac plug and set at 15709'; Perforate per the above gun and log at 3 JPF the following Mancos D intervals: 15046-50'; 15094-96'; 15213-15'; 15245-47'; 15309-11'; 15472-74'; 15588-90'; 15652-54' (48 holes). ZONE#3: (15048-15654'-MANCOS D): Frac this interval using a 10# linear gel 2% KCL water system as follows: Pump 400 gal. of 15% HCL followed by a 15000 gal.psp. 15472-74'; 15588-90'; 16686-65'; 16715-17' 16328-29';

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

8/9/2007	06:00 - 16:00				
		10.00	PERF	2	120° phasing per the CBL log dated 7/9/07 @ 3 JPF: 14555 -57'; 14617-19'; 14648-50'; 14758-60'; 14895-97' & 14908-10' (48 holes). 20ne #4: (14555' -14910' - Mancos "C"): Frac this interval down csg using a 2% KCL slickwater system as follows: Pump 400 gals of 15% HCL acid followed by a 16000 gal pad and stage 0.25 to 1.25 ppg 30/50 Econoprop in 50000 gals of fluid and had 3-10,000 gal spacers in between the sand stages and flush with 9531 gals of slick water. Total of 44600# of sand and a total load of 2585 bbl. Max rate = 45.9 BPM; avg rate = 39.2 BPM; Max psi = 11420#, avg psi = 10375#, ISIP = 6886# (91). Libricate in a 4-1/12' comp frac plug and set at 14430'. Perforate the following Mancos "C" intervals per the above gun and log: 14258-62'; 14296-14302' & 14392-94' (36 holes). 20ne #5 (14258' - 14393' - Mancos "C"): Frac this interval using a 2% KCL 10# linear gel water system as follows: Pump 1400 gals of 15% HCL acid followed by a 15000 gal pad abd stage 0.5 to 1.5 ppg 30/50 mesh Econoprop in 27800 gals of fluid and went to flush due to possible screen-out. Flushed successfully with 3966 gals of slick water. Total of 26630# of sand and a total load of 1270 bbls. Max rate = 45.6 BPM; avg rate = 39.6 BPM; max psi = 11395#, avg psi = 10280#; ISIP = 6804# (93). Lubricate in a comp frac plug and set at 14170'. Peforate per the above gun & log the following Mancos "C" intervals: 13823-25; 13876-78'; 13947-49'; 14049-51'; 14101-03'; 14110-12' & 14154-56' (42 holes). 20ne #6 (13823' -14156' - Mancos "C"): Frac this interval using a 2% KCL slickwater system as follows: Pump 1400 gals of 15% HCL followed by a 22000 gal pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 52500 gals of fluid with 3-8500 gal spacers in between sand stages and flush with 9100 gals of fluid with 3-8500 gal spacers in between sand stages and flush with 9100 gals of fluid with 3-8500 gal spacers in between sand stages and flush with 9100 gals of fluid with 3-8500 gal paders in between sand stages and flush with 9100 gals of flu

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
9/2007	06:00 - 16:00	10.00	PERF	2	15815-17; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 20NE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-94'; 13383-85'; 13311-13'; 13274-76'
0/24/2007	06:00 - 16:00	10.00	PERF	2	RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/23/07 MIRU Rocky Mtn. WS to resume completion of well. MI related equipment. On 10/24/07 will RIH with gauge ring and if OK with set a comp BP. perforate squeeze holes and set a WL set cement retainer. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & 'C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
10/25/2007	06:00 - 16:00		PERF	2	TIGHT HOLE - On 10/24/07 SICP = 640#, SIAP = 280#. MIRU Cutters WL and ran

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

	TOOKTWII			Cub	
Date	From - To	Hours	Code	Sub Code	Description of Operations
0/25/2007	06:00 - 16:00	10.00	PERF	2	a 3.625" gauge ring to 13280' - OK. Set a CBP @ 13260'. Fill csg with 140 bbls of 2% KCL water and test csg and plug to 4000# - held OK. Bled csg down to 1000#. Perforate squeeze holes from 13150' - 13152' (8 holes) at 4 JPF and 90' phasing using a 3-1/8" csg gun. Open 4-1/2" x 9-5/8" annulus to the pit before perforating and lost 600# on the 4-1/2" csg after perforating with no change in the gas blow from the annulus. POOH with gun. Attempt to break down csg squeeze holes with returns up the 4-1/2" x 9-5/8" annulus several times at 4000# max and would not break down after surging back each time. Left 1000# SICP on the well overnight and SIFN. On AM of 10/25/07 SICP = 1800# & SIAP = 50#. 24 Hour Forecast: Will run a bond log. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: 2ONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39'; 16684-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #6: MANCOS 'C"
10/26/2007	06:00 - 16:00	10.00	LOG	4	13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE - On 10/25/07 SICP = 1800# & SIAP = 50#. Bled off csg. RU Cutters WL to run a CBL/VDL/GR log. RIH to 13150' & having too much gas interference to obtain valid data. POOH with logging tools. WL set a CBP @ 13140' & test plug to
					4000# after filling the hole with 14 bbls of water. Re-run log from 13140' to 9950' and starting to have too much gas interference at 9950'. Lay down logging tools and SIFN. Will allow gas to migrate up the hole in order to obtain good bond log data. On AM of 10/26/07 SICP = 1100# & SIAP = 80#.
					24 Hour Forecast: Will continue to run log.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs:
	1	1			

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
0/26/2007	06:00 - 16:00	10.00	LOG	4	ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44;16468-69' 16482-83; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B'' & "C" 13692-94'; 133947-49'; 13316-18'; 13503-05' 13442-244'; 13383-85'; 13311-13'; 13274-76'
10/29/2007	06:00 - 16:00	10.00	LOG	2	13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE -On 10/26/07 SICP = 1100# and SIAP = 80#. Bled down csg to 0# in 5 minutes. RU Cutters WL and continue to run a CBL/VDL/GR log from 10700' to 4800' with no pressure on well. RDMO Cutters WL and SIFWE. 24 Hour Forecast: Will NDWH & NU BOP's and start to pick up tbg. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994-96'; 17026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B" & "C"

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date F	From - To	Hours	Code	Sub Code	Description of Operations
10/29/2007 06	6:00 - 16:00	10.00	LOG	2	13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
10/30/2007 06	6:00 - 16:00	10.00	BOP	1	TIGHT HOLE - On 10/29/07, SICP = 0# & SIAP = 450#. ND 15K frac valve and NU 4-1/16" x 15K BOP stack with 1 set of blind rams and 2 sets of pipe rams. SIFN.
					24 Hour Forecast: Will start to pick up tbg.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14915-46'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B'' & "C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-24'; 13583-85'; 13311-13'; 13274-76'
10/31/2007 06	6:00 - 16:00	10.00	вор	1	TIGHT HOLE -RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/30/07 SICP=0#. Tally and rabbit in the hole with new 2-3/8" EUE 8rd 4.7# P-110 tbg.to 11300'. SIFN. On 10/31/07 will continue to pick up tbg.and will circ.hole with 2% KCL water and start to POOH with tbg
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

	T	T	T .	Sub	
Date	From - To	Hours	Code	Code	Description of Operations
0/31/2007	06:00 - 16:00	10.00	ВОР	1	15815-17; 15819-21; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14932-94'; 14296' - 14302'; 14258-62'
					ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C"
					13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
11/1/2007	06:00 - 16:00	10.00	TRP	5	TIGHT HOLE - On 10/31/07 SICP = & SITP = 0#. SIAP = 820#. Continue to tally and rabbit in the hole with new 2-3/8" tbg and tag CBP @ 13140'. Circ hole with 2% KCL water. POOH w/ tbg. SIFN.
					24 Hour Forecast: Will perforate squeeze holes.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D'
					15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'
					ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62'
			i i		ZONE #6: MANCOS 'C" 14164-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
11/2/2007	06:00 - 16:00	10.00	PERF	2	TIGHT HOLE - On 11/1/07 SICP = 0#. MIRU Cutters WL and perforate proposed circ/squeeze holes at the following depths using a 3-1/8" csg gun and "Prospector"

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

	From - To	Hours	Code	Sub Code	Description of Operations
1/2/2007	06:00 - 16:00	10.00	PERF	2	the csg prior to perforating and had no pressure drop. RDMO Cutters WL. Attempt to pump into csg at 4000# with no break. Open csg to the pit and started to flow. Flowed back est 170 bbls of water and turned to gas and flowed the well to the pit for 2 hours on a 18/64" choke with a stabalized FCP = 1200# and a very slight mist of water. SIFN. On AM of 11/2/07 SICP = 5300#. 24 Hour Forecast: Will attempt to test well on 11/2/07.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57'
1/5/2007	06:00 - 16:00	10.00	отн		ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/2/07 SICP = 5300# and SIAP = 80#. Open csg on a 18/64" choke to the pit for 1/2 hour with FCP = 2900# amd SI the well due to heavy gas vapors staying on the ground and laso to turn to gas sales with no fluid recovery. Turn well to gas sales at 9:30 AM on 11/2/07 with the following readings: 9:30 AM =
					16/64"; 3100#; 3.4 MMCFP; 11:00 AM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 1.06 MCFD. Left well producing overnight. On 11/3/07: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 1150#; 1.06 MCFD. Left well producing overnight. On 11/3/07 having problems with choke plugging off with sediment. Attempted several choke settings and chokes would immediately plug up. SI the well. On 11/4/07 - SICP = 5900#. Open the csg on a 26/64" choke and choke immediately plugged up. SIFN. On 11/5/07 will work with rig crew and check out variables.
					24 Hour Forecast: Will work with rig crew & check out variables.

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2007	06:00 - 16:00 06:00 - 16:00	10.00	ОТН	Code	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44; 16488-69' 16482-83; 16538-39; 16664-65; 16715-17' 16723-24; 16798-99; 16685-59; 16907-08' 16994-96; 17028-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963-65'; 15985-87'; 16158-80'; 16200-02' ZONE #3: FRONTIER/MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 16652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #5: MANCOS 'C' 1392-94'; 13564-56'; 13516-18'; 13503-05' 13424-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 111/107 TIGHT HOLE - On 11/5/07 SICP = 6000#. Open csg to the pit on a 14/64" choke for 2 hours with a final FCP = 3140# on a 16/64" choke and a final rate of 3.8 MMCFD. Had trouble with seperator and SI the well. The well will remain SI on 11/6/07 pending installation of additional equipment. Debris in chokes appears to be cement. 24 Hour Forecast: The well will remain SI pending installation of additional equipment. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: 2ONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16644-85'; 16715-17' 165723-24'; 16798-99; 16858-59'; 16907-09' 1694-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 1518-17'; 15819-21'; 15982-94'; 15919-21'; 15963-96'; 15885-87'; 16158-80'; 1509-02' ZONE #2: FRONTIER/MANCOS 'D' 15048-50; 1594-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #3: MANCOS 'D' 15048-50; 1594-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #3: MANCOS 'D' 15048-50; 1594-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #3: MANCOS 'D' 14908-10'; 14895-97'; 14794-96'; 14758-60'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2007	06:00 - 16:00 06:00 - 16:00	10.00	OTH	2	14703-05; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - Well was SI on 11/6/07 while surface equipment was installed and sytems cleaned out. 24 Hour Forecast: Will attempt to flow test the well. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
11/8/2007	06:00 - 16:00	10.00	PTST	5	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29': 16382-83': 16443-44':16468-69' 16482-83': 16538-39' 16664-65': 16715-17' 16723-24': 16798-99': 16858-59': 16907-08' 16994'-96': 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17': 15819-21': 15892-94': 15919-21': 15963'-65': 15985-87': 16158-60': 16200-02' ZONE #3: MANCOS 'D' 15048-50: 15094-96': 15213-15': 15245-47' 15309-11': 15472-74': 15588-90': 15652-54' ZONE #4: MANCOS 'C' 14908-10': 14895-97': 14794-96': 14758-60' 14703-05': 14648-50': 14617-19': 14555-57' ZONE #5: MANCOS "C" 14392-94': 14296' - 14302': 14258-62' ZONE #6: MANCOS 'C' 14392-94': 13547-49': 13876-78': 13823-25' ZONE #7: MANCOS 'B' & "C" 13692-94': 13554-56': 13516-18': 13503-05' 13442-44': 13383-85': 13311-13': 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/7/07 - SICP = 5800# & SIAP = 680#. Construction still working on surface equipment. Bled off AP to 5# and has a very minimal gas blow. Open csg to production system at 4:45 PM. Released rig crew for the day. On AM of 11/8/07 well is SI at the wellhead due to debris flowing into system. Evaluating options. 24 Hour Forecast: Evaluating Options. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

11/8/2007 06:00 - 16:00 10:0	Date	From - To	Hours	Code	Sub Code	Description of Operations
	1/8/2007	06:00 - 16:00	10.00	PTST	5	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44';16468-69' 16482-83; 16538-39' 16664-65; 16715-17' 16723-24'; 16798-99; 18885-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15994-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' 8' (C'') 13692-94'; 13554-56'; 13516-18'; 13503-05' 3442-44'; 13393-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/8/07 - Rig is on standby pending installation of Parchman equipment on 11/12/07. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44'; 16468-69' 16482-83'; 16538-39'; 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15998-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15498-99'; 14296'-14302'; 14258-62' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14754-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #4: MANCOS 'C' 14908-10'; 14995-97'; 14754-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #6: MANCOS 'C' 1498-60'; 14995-97'; 14764-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #6: MANCOS 'C' 14998-10'; 14996'-14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/9/2007 11/12/2007	06:00 - 16:00 06:00 - 16:00		WOT WOT	4	Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/8/07 - Rig is on standby pending installation of Parchman equipment on 11/12/07.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
11/13/2007	06:00 - 16:00	10.00	PTST	2	Perfs: ZONE #1: FRONTIER//DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99; 16858-59'; 16907-08' 16994-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15994-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B'' & "C'' 1392-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 111/1/07 TIGHT HOLE - On 11/13/07 SICP = 5900#. Moved in Parchman flow-back equipment over the weekend. Tied Parchman into csg valves and attempt to bleed down csg but chokes and line freezing up immediately even while injecting methanol. SI the well for the night. 24 Hour Forecast: Will install line heating equipment and attempt to produce the well. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER//DAKOTA//DAKOTA SILT 16328-29'; 16382-83'; 16443-44'; 16468-69' 16482-83'; 16538-39'; 16646-85'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER//MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15803'-65'; 15988-87'; 16158-60'; 16200-02' ZONE #3: FRONTIER//MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15988-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963-65'; 15988-87'; 16158-60'; 16200-02' ZONE #5: 15988-87'; 16158-60'; 16200-02' ZONE #5: 15988-87'; 16158-60'; 16200-02' ZONE #5: 15988-87'; 16158-60'; 16200-02' ZONE #5: 15988-87'; 16158-60'; 16200-02' ZONE #5: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/13/2007	06:00 - 16:00	10.00	PTST	2	15309-11': 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C'
11/14/2007	14/2007 06:00 - 16:00 10.00 P	PTST	2	14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/13/07 SICP = 5900# & SIAP = 1020#. Install additional Parchman flowback equipment. Open the csg to Parchman flow back system at 11:30 AM on 11/13/07 on a 8/64" choke with a rate of 1.6 MMCFD and 5400#. At 2:00 PM FCP = 4550# on a 8/64" choke and 1.4 MMCFD rate. At 6:00 PM FCP = 3600# on a 12/64" choke at a rate of 2.3 to 2.8 MMCFD and starting to have	
					problems with choke plugging and severe hydrates. SI the well at 7:00 PM due to line freezing. At 6:30 AM on 11/14/07 SICP = 5400#. 24 Hour Forecast: Will attempt to thaw out unit and try to produce the well again. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21';
					15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'
					14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
11/15/2007	06:00 - 16:00	10.00	PTST	2	Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - At 6:00 AM on 11/14/07 SICP = 5400#. Open the csg at 10:45 AM thru Parchman flow back equipment and then via our production units to sell gas. At 2:00 PM the well was producing on a 16/64" choke at a rate of 2.7 MMCFP with

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
Date /15/2007	From - To		Code		14 bbls of water per hour and FCP = 2500#. Continue to flow well overnight on various chokes and at 6:00 AM on 11/15/07 FCP = 1100# on a 18/64" choke at a rate of 1.1 MMCFD and 2-4 BPH of water with a recovery since AM of 11/14/07 of 113 bbls. System appears to be working fine. 24 Hour Forecast: Will continue to flow test the well. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'
1/16/2007	06:00 - 16:00	10.00	PTST	2	20NE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' 20NE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' 20NE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' 20NE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' 20NE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - At 6:00AM on 11/15/07 FCP=1100# on a 18/64" choke at a rate of 1.1 MMCFD and 2-4 bbl per hour. Continue to flow test thru Parchman and into gas sales for the next 24 hours. At 6:00AM on 11/16/07 FCP=1000# on a 18/64" choke at a rate of 1 MMCFD and 4 bbl.per hour of water. Have recovered 97 bbl. of water in the last 24 hours. This AM will RDMO Parchman and continue to flow the well via gas sales over the weekend.
					Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21';

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/16/2007	06:00 - 16:00 06:00 - 16:00		PTST	2	15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296'- 14302'; 14258-62' ZONE #6: MANCOS "C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - At 6:00 AM on 11/16/07 FCP=1000# on a 18/64" choke at a rate of 1 MMCFD and 4 bbl.per hour of water. Continue to flow test after rigging down and moving out Parchman. Continue to flow test after rigging down and moving out Parchman. Continue to flow test after rigging down and moving out Parchman. Continue to flow the well during the day and at 2:00PM On 11/16/07 FCP=835# on a 18/64" choke at a rate of 800 MCFD and 2-4 bbl.per hour of water. Continue to produce the well via gas sales over the weekend with no troubles and at 7:00AM on 11/19/07 FCP=670# at a rate of 670 MCFD with no rate on fluid and a SIAP=1400#.
11/20/2007	06:00 - 16:00	10.00	PTST	2	Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - At 7:00 AM on 11/19/07 FCP=870# at a rate of 670 MCFD.

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date From	- To Hours	Code	Sub Code	Description of Operations
11/20/2007 06:00 -	16:00	PTST	PTST 2	SIAP=1400#. SI csg.and bullhead 50 bbl.of 10# brine and 30 bbl.of 2% KCL water down csgCsg.started to pressure up to 200#. Bled off AP of 1400# to 10#. SI csg for 1 hour and SICP built to 900#. Attempt to bleed off csg.but started to flow water. Pump 5 bbl.of brine water csg.built to 1000#. SIFN. On AM of 11/20/07 SICP=3100#. Attempting to bleed off csg.
				Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
11/21/2007 06:00 -	16:00 10.00	PTST	2	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 15200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #7: MANCOS "B" & "C" 13692-94'; 13547-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13545-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11//107 TIGHT HOLE - On 11/20/07 SICP=3100# and SIAP=100#. Bled off csg.to 1000# and started flowing back water. Bullhead 50 bbl. of 10# brine down csg.to a max.psi of 3300#; SI csg.for 90 minutes and attempt to bleed off csg.and bled down from 2300# to 2000# and started to flow back water. MIRU Cutters WL and ran a PBTD with tag at 13114'. Squeeze perfs.at 13110' and comp. BP at 13140'. RDMO Cutters WL. On AM of 11/21/07 SICP=2900#. On 11/21/07 will attempt to bleed off csg LLTR: 130 Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39'; 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

	DO PTST	2	16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14703-05'; 14648-50'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & "C'' 13692-94'; 13524-56'; 13516-18'; 13503-05' 13442-44'; 13583-85'; 13511-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/21/07 SICP = 2900#. Open csg on a 12/64" choke to bleed down pressure. Flowed the csg for 3 hours on a 12/64" choke and flowed back gas for 2-3/4 hours and started to flow back water and gas. SI the well @ 11:00 AM on 11/21/07 and well will remain SI until AM of 11/26/07. LLTR: 130 bbls Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs:
			ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'; ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15984-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'
		16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15982-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60'	
			14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/27/2007 11/28/2007	06:00 - 16:00	10.00	LOG		TIGHT HOLE - On AM of 11/26/07 SICP = 5300# & SIAP = 560#. Bleed off csg down to 1800# on a 16/64" choke after 2-1/2 hours & recovering gas and started to get water back. MIRU Cutters WL and RIH with CBP to 11422" & attempt to set plug and had one small kick on CCL meter and did not appear to stroke properly and did not shear off of plug. Could not go down but pulled up slowly to 11118' (plug depth) with plug hanging up on every csg collar and could not go further. Attempt to pull out of rope socket and could not with a SICP = 4200#. Turn well over to production department overnight to attempt to lower csg psi via gas sales. 24 Hour Forecast: Will attempt to free plug or tool. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50: 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 16652-54' ZONE #4: MANCOS 'C' 14998-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & 'C' 1392-94'; 1354-66'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/27/07 Csg is selling via gas sales with FCP = 850# at a rate of 980 MCFD. Open to pit and bled down csg while attempting to pull out of rope socket or release stuck CBP by surging. No success. Bled off csg to 140# and
11/28/2007	06:00 - 16:00	10.00	LOG	4	14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/27/07 Csg is selling via gas sales with FCP = 850# at a rate of 980 MCFD. Open to pit and bled down csg while attempting to pull out of rope
				pressured up to 550# in 1 hour of sitting while trying to bleed off gas only. RIH with gauge ring and tag @ 9935'. POOH w/ wireline gauge & RDMO Cutters WL. 24 Hour Forecast: Will attempt to kill well and RIH with fishing string on tbg. Turn well over to production units at 3:30 PM to sell overnight. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'	

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/28/2007	06:00 - 16:00 06:00 - 16:00	10.00		5	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14868-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14154-56'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & 'C'' 1392-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-86'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/28/07 FCP = 540# at a rate of 960 MCFD via gas sales. SIAP = 650#. Open csg to pit and bled down to 140#. Pump 60 bbls of 10# brine down csg. Make up fishing tools and RIH with a 3-5/8' 'OS; 1-5/8'' grapple; string float; bumper sub; jars; drain sub and tbg to 9802'. Circ hole with 125 bbls of 10# brine. Hole stayed dead for 1 hour when RIH. Continue in the hole and tag @ 9992'. Set down with 8M# and pull over by 3000#. Pump 10 bbls of brine water to check for increase in circulating pressure and had an additional 200#. Presume there is something in the grapple. Pull tbg to 4995' & SIFN. Load well with 18 bbls of brine water. 24 Hour Forecast: Will attempt to POOH and review fish. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-33'; 16443-44';16468-69' 16482-83'; 16538-39' 16668-65'; 16715-17' 16723-24'; 16788-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15315-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-80'; 15509-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/29/2007	06:00 - 16:00 06:00 - 16:00	10.00		5	14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS "C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/29/07 SICP = 2000# & SITP = 1500#. Bled off tbg & csg with just gas. Fill hole with 12 bbls of 10# brine. Finish POOH with OS & grapple & tbg. Had no fish but indicated what appeared to be the Kinley Cutter had been up in the
					OS but not in the grapple. RIH with wireline spear and related fishing equipment to 8000' & land tbg w/ 30 bbls of brine water. Finish RIH & work over wireline from tag @ 10009' to 10097'. Pulling 3-4M# over string weight. Start POOH with a 1000# drag & POOH to 4000'. Load well with 8 bbls of brine and SIFN. 24 Hour Forecast: Will finish POOH & Observe fish recovery. Csg Size: 4-1/2" 15.1# P-110 & Q-125
					Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08'
				16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60'	
					14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
12/3/2007	06:00 - 16:00	10.00	WCL	1	Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/30/07 SICP = 2000# & SITP = 1150#. Bled off tbg. Open csg to pit to bleed down and bled off to 0# in 30 minutes. Load csg with 14 bbls of 10# brine. Well dead. Pull 1 std of tbg to 3888' and csg started to flow. Circ hole w/ 65 bbls of 10# brine & csg would not die. Attempt to bleed off csg several times and csg flowing out brine water and gas on a 10/64" choke at 2700#. SI csg for 90

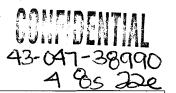
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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/24/2007 Rig Release: Rig Number: 3

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Date	From - To	Hours	Code	Sub Code	Description of Operations
12/3/2007	06:00 - 16:00	10.00	WCL	1	minutes and rose to 3350#. Attempt to bleed off gas head and circ an additional 50 bbls of brine with csg flowing on a 10/64" choke with 3050# FCP & not dying off. Install pump joint below pipe rams and open the well to gas sales via csg. On 12/1/07 well was selling gas with a CFCP of 670# at a rate of 990 MCPD. On 12/2/07 well was selling gas with a FCP of 485# and a rate of 775 MCFP and flowed back 103 bbls of water in the last 24 hours. On AM of FCP = 430# at a rate of 850 MCFD. 24 Hour Forecast: Will attempt to blow well down and kill well to POOH with tbg & spear. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-33'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 18585-59'; 16907-08' 16994-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15983-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'C' 14908-90'; 14588-90'; 14555-57' ZONE #4: MANCOS 'C' 14908-90'; 14794-96'; 1705-60' 14703-05'; 144648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14101-03' 14049-51'; 13947-94'; 13947-96'; 13541-66'; 1310-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07



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Operations Summary Report

Well Name: GB 1M-4-8-22R

(Rigskid)

Spud Date:

1/24/2007

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Rig Release: Rig Number: 3

Rig Name:	ROCKY MT	N WS			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
6/28/2007	06:00 - 16:00	10.00	LOC	4	On 6/27/07 - Initial Completion Report. 7:00 AM Conduct safety meeting. MIRU IPS Flow Back Equipment. Spectrum fluid ser Zeco pit & shaker. 2:00 PM - MIRU Bronco Flow Cross BOP HCR Master Valve. IPS CTU Fluid pump. MU Lubricator. NU WH. Chain down & secure well. 24 Hour Forecast: Starting in hole to drill out cement.
6/29/2007	06:00 - 16:00	10.00	ВОР	1	On 6/28/07 - 7:00 AM Conduct safety meeting. Unchain ND lubicator from WH. MU Baker BHA. CTC pull test 25K. MU 2-7/8" jars. MU CT disc circ sub. MU MTR 3 tooth drag bit. Surface test MTR, circ sub opened replaced circ sub. Retest it opened. Replaced got good surface test. NU on WH test - all lines & WH equipment to 8000 psi BO Open well. 10:00 AM - Start in hole pumping 5 BPM to 2 BPM tag cement @ 10861' fell through CIH to 11015'. Fell through CIH to 11378'. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491'. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00 PM. Total footage drilled 630'.
6/30/2007	06:00 - 16:00	10.00	DRL	4	24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 11500'. Start drilling cement. 9:30AM - 11,860'. 11:30 AM - 11,860'. PU of BTM, SI csg psi to 3500 psi, surged back CIH drilling to 12651'. SI csg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15
7/1/2007	06:00 - 16:00	10.00	DRL	4	bbls gel sweeps CWC. POOH secure well. 7:00 PM - SDFN. TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL 1781'. 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM -
					SDFN. TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409' 24 Hour Forecast: Drill out cement. JAN 0 4 2008

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/1/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/2/2007	06:00 - 16:00	10.00	DRL	4	Cost Depth. 17,063 On 7/1/07, @ 6:00 AM Conduct Safety Meeting. BO 3 tooth drag mill. MU Baker 3.701 Carbide Hurricane mill. Surface test MTR, NU on WH test lines and WH equipment to 8K BO Open Well. TiH Tag @ 13288'. CIH drilling cement @ .5 to 1 FPM. 2:00 PM - Plugged choke w/ very course cut cement. Stop drilling pump. 15 BBL gel sweep. Clean well. SI csg psi up to 3500 . Surge back, CIH drilling to 13860'. PU pump 15 BBL Sweep CWC. POOH. SI well. ND Lubricator BO 3.701 Hurricane mill. BO MTR. MU MTR. MU 3 tooth drag bit. NU on WH. Secure well. SDFN @ 7:00 PM. TOTAL FOOTAGE DRILLED TODAY = 572' - TOTAL 2981'
					24 Hour Forecast: Drill out cement.
7/3/2007	06:00 - 16:00	10.00	DRL	4	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/2/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 to 9-5/8 5000 surface. Test MTR w/ 3-5/8 3 tooth drag mill test lines & WH equipment to 8K BO. Open well - TIH pumping .5 to 2 BPM. Tag @ 13838'. CIH drilling to 14838'. PU SI csg psi up 3500 surge back. CIH drilling to 15001'. Pump 15 bbl gel sweep. CWC POOH secure well clean and jet shaker pit full of cement. Replace 300 bbl of gel system w/ fresh 2% & re-gel up. SDFN @ 9:00 PM. Will run full drift 3.701 3 tooth drag mill in AM
				TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140'	
7/4/2007	06:00 - 16:00	10.00	DRL	4	24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/8" 5000. Surface test MTR w/ 3.701 3 tooth drag mill, test lines & WH equipment to 8K - BO Open well. TIH pumping .5 to 2 BPM. Tag @ 14984'. CIH drilling to 15590'. PU 300'. Clean well up. CIH drilling picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 16300'. Pump 15 bbl gel sweep CWC. POOH. Secure well. ND lube BO mill & MTR. MU new MTR. MU same mill 3.701. NU WH. SDFN @ 8:00 PM.
					TOTAL FOOTAGE DRILLED TODAY = 1316' - TOTAL = 5439'
7/5/2007	06:00 - 16:00	10.00	DRL		24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/4/07 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTI w/ 3.701 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TIH pumping .5 to 2 BPM. Tag @ 16315'. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CII to 17058'. Tag & stall. PU 50' RIH to 17058'. Tag & stall. PU off BTM pump 20 bbls 80 VIS Sweep. PU to 16000'. SI csg PSI to 3500 psi. Surge back. RIH circ 2 BTM up w/ 3 - 20 bbl 80 VIS Sweeps. To surface displace gel water w/ 191 bbl 2%

Operations Summary Report

Well Name: GB 1M-4-8-22R

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date:

1/24/2007

Rig Release: Rig Number: 3

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Date	From - To	Hours	Code	Sub Code	Description of Operations
7/5/2007 7/7/2007	06:00 - 16:00 06:00 - 16:00	10.00		2	KCL. POOH. RDMO IPS CTU & Pumps 17058 + 22' KB 17080'. Clean & jet spectrum tank. TOTAL FOOTAGE DRILLED TODAY = 743' - TOTAL = 6197' Relieved by Mike Hagen (580)254-4394. 24 Hour Forecast: Run cased hole logs. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/6/07, @ 12:30 PM MIRU Schlumberger EWL, Crane. NU 4-1/16" x 15K Crossover Flange on top of production tree. Open up master valves on tree to check pressure on csg 0#. Make up 3.623" DTI Cased Hole Logging Tools and start in hole @ 5:00 PM. Engineer was going in hole too fast abd hit fluid @ 381' and jumped line off shelve. Shut down to fix line and continue in hole with logging tools and set down @ 16,095'. Work log tools up/down to try and get through spot. Could not get through spot w/ repeated attempts. Calle'd Mr. Stahl to inform him where we set down at. POOH w/ logging tools and RDMO Schlumberger Logging Truck, Crane. Secure well for the night and shut down.
7/8/2007	06:00 - 16:00	10.00	TRP	9	24 Hour Forecast: MIRU IPS Coil Tbg Unit and RIH down to 16,095' and clean out to bottom. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/7/07, MIRU IPS Coil Tubing Unit & pull test CC to 25K and pressure test to 2500#. Function test motor to @ 2.0 bbls 2800#. NU to production free and RIH with 2.88" x 2.375" Coil Connector, 2.88" x 2.375" Dual Back Pressure Valve, 2 88" x 2.375" Bowen Coil Tubing Jars, 2.88" x 2.375" Hydraulic Disconnect, 2.88" x 2.375" Dual Circulation Valve, 2.88" x 2.375" VIP NaviDrill Motor, X-Over Sub 2-3/8" Reg x 2-3/8" PAC (BXP). RIH w/ coil tbg & hit a small bobble @ 16,093' only about 2K difference pushed right through and RIH down to 17,063' & pick up 5' off bottom & pump 10 bbls FR Pill. Circulate bottoms up & POOH with C/T & shut production tree in. RD C/T Unit. SDFWE.
7/10/2007	06:00 - 16:00	10.00	LOG	4	24 Hour Forecast: Leave C/T on standby for Monday if Bond Log won't go through. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/9/07, MIRU Cutters EWL and NU 4-1/16" x 15K x 10 K crossover spool. RIH w/ 3.625" GR/JB down to 17,065' (EWL Measurement) & POOH w/ same. Had few pieces of cement in JB on surface. RIH w/ CCL/2.375" CBL tool down to PBTD & start pulling bond log holding 2000# pressure @ 14,000' CBL quit working. POOH & fixed bond tools. RIH back down to 14,000' where tool quit working and start logging again. Pull CBL up to 5000' per Mr. Stahl's instructions. Shut down logging & POOH w/ CBL tools & secure well. RDMO EWL, Hot Oiler. TOC @ 12,610' 20-30% bond down to 13,200'. Excellent cement from 13,200' down to 17,065' 95-100% bond. 24 Hour Forecast: MIRU PLS EWL to run Temp & Noise Survey. Csg Size: 4-1/2" 15.1#

Operations Summary Report

Well Name: GB 1M-4-8-22R Location:

4-8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date:

1/24/2007

Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
7/10/2007 7/11/2007	06:00 - 16:00 06:00 - 16:00	10.00 10.00		4	Csg Depth: 17,083' On 7/10/07 MIRU PLS EWL Truck, Mast. NU 4-1/16" x 15K x 5K flange on top of production tree. RIH w/ CCL, 1-3/4" Temp & Noise Tool down to 15,000'. Pull back up to 12,000' and open up surface valve through Parchmans flow manifold to tank 20/64" choke 6000# pressure. BHT @ 12,000' was 219*F with well flowing to tank. Pressure had dropped down to 4500# 219*F. Slickline operator was adjusting trailer mounted mast and crimped line and shorted out tools. Shut surface valve in and POOH w/ tools. Secure well fo rthe night.
					24 Hour Forecast: MIRU PLS EWL to rerun Temp & Noise Survey. No cost for wireline services today.
					Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'
7/12/2007	06:00 - 16:00	10.00	LOG	4	On 7/11/07, MIRU PLS EWL, Mast, check surface pressure 4500#. Open up surface through Parchman's manifold to tank 20/64" choke. RIH w/ CCL, 1-3/8" Temp & Noise Tool down to 5000' and record temp -122*F for 25 minutes. RIH down to 15,000' to start base log. Pull back up to 9100' and log back down and @ approx. 9500' log was showing gas entry. Continue down hole down to 10,000' and stop. Pull through spot @ 9500' with the same results. Pull up to 5000' and turn on noise log and continue down hole stopping every 100' to record noise. Stop @ top of 7" liner and record noise level (No change). Continue down hole to 9100' stopping in 50' intervals. Stop @ 9400' and noise level and temp were changing. Continue down to 9475' and stop and record temp/noise level. Called Mr. Stahl to inform him that gas entry according to noise log was @ 9475'. RIH down to 12,620' below 7" liner and record noise levels. No gas entry was showing up on temp/noise log. POOH w/ tools and shut surface valve in and secure well.
					24 Hour Forecast: Clean up log & sned to Denver.
7/15/2007	06:00 - 16:00	10.00	LOG	2	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/14/07, MIRU Schlumberger EWL Services, Crane. RIH w/ 3.56" GR/JB down to PBTD @ 17,085'. Start POOH w/ CCL, GR, JB and @ 16,550' JB was pulling tight with approx 1200# of tension over. Called Mr. Stahl to inform him of tight spot.
					Schlumberger will stay above tight spot and pull Sonic Image Tool from 16,500' - 12,600' and Gamma Ray/Neutron log from 12,600' up to 5,000'. POOH w/ tools and secure well RDMO Schlumberger. 6:00 AM on 7/15/07 - Operator was pulling 200' repeat pass and will RDMO this AM. JB had thin peices of cement in it on surface.
					24 Hour Forecast: Process and send logs to Denver for evaluation.
8/8/2007	06:00 - 16:00	10.00	PERF	2	Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' Report dated 7/4/07 by Rob Odom TIGHT HOLE. Continuation of completion report. The prod.csg.was drilled out with coil tbg.to a PBTD of 17063'. The well was logged with Cutters WL on 7/9/07 with a CBL/VDL/GR log. The well was logged with Schlumberger on 7/14/07 with a Dipole Sonic/GR/Porosity log. All csg.and valves were pressure tested to 11500# with
					Quick Test. On 8/6/07 SI intermediate pressure was 6400#. Bled off with Parchman to a small blow on AM of 8/7/07. On 8/8/07 MRU OWP and perforated the following zones as follows using a 2-1/2" csg.gun at 2 JPF and 120* phasing per

Operations Summary Report

Well Name: GB 1M-4-8-22R

1/24/2007

Spud Date: 1/ Rig Release: Rig Number: 3

Location:	4-8-S 22-E 26
Rig Name:	ROCKY MTN WS

Date	From - To	Hours	Code	Sub Code	Description of Operations
B/8/2007	From - To		PERF		the CBL log dated 7/9/07: Frontier: 16328-29'; 16362-63'; 16443-44'; 18466-69'; 16482-83'; 16538-39'; 16664-65'; 16715-17' & 16723-24'; Dakota Silt: 16798-99'; 16858-59'; 16907-08'; Dakota: 16994-96'; 17026-27' (32 holes). No pressure after perforating. SIFN. On 7/8/07 frac as follows below: ZONE #1 (16328-17027' - FRON./DAK.SILT/DAKOTA): Frac this interval using a 12# linear gel as follows: Breakdown with 1000 gal. of 15% HCL and 50-7/8" Bio-balls followed by a 20000 gal.pad and stage 0.5 to 2 ppg 30/50 mesh Econoprop in 43000 gal. of fluid and flush with 10595 gal. of slick water. Pad contained 5000# of 100 mesh sand. Total of 50400# of sand and a total load of 2005 bblMax.rate-44'; Ave=20 BPM; Max.psi=11483#; Ave=9495#; Lubricate in a 4-1/2" comp.frac plug and set at 16273' Perforate per the CBL log dated 7/9/07 the following intervals using a 2-1/2" csg gun at 3 JPF and 120' phasing: Mancos D: 15815-17'; 15819-21'; 15892-94'; Frontier: 15919-21'; 15963-65'; 15985-87'; 16158-60' & 16200-02'; (48 holes). ZONE#2: (15815-16202' -MANCOS D//FRONTIER): Frac this interval using a slick water system as follows: Pump 400 gal.of 15% HCL followed by a 16000 gal.pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 24500 gal.of fluid and had 2-10000 gal.spacers between sand stages. Flush with 15800 gal.of slick water. Total of 14200# sand. Total load of 1450 bblMax=41.4; Ave=35.8; Max.psi=11242#; Ave=10588#; ISIP=7833# (.93). Lubricate in a comp.frac plug and set at 16709'; Perforate per the above gun and log at 3 JPF the following Mancos D intervals: 15046-50'; 15094-96'; 15213-15'; 15245-47'; 15309-11'; 15472-74'; 15588-90'; 15652-54' (48 holes). ZONE#3: (15048-15654'-MANCOS D): Frac this interval using a 10# linear gel 2% KCL water system as follows: Pump 400 gal. of 15% HCL followed by a 15000 gal.pad and stage 0.5 to 2 ppg 30/50 mesh Econoprop sand in 33000 gal.of fluid and flush with 7170 galScreened out in flush leaving est.5000# of sand in csgTotal of 33300# of 5and in formation and a total loa
8/9/2007	06:00 - 16:00	10.00	PERF	2	16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE#2: FRON./MANCOS D 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE#3: MANCOS D 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ON AM of 8/8/08 SI psi on intermediate is 750#-bled off
		!			On 8/8/07 - Perforate the following Mancos 'C' intervals using a 2-1/2" csg gun at

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Operations Summary Report

Well Name: GB 1M-4-8-22R

Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 3

	ROCKY MI	11 110			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
8/9/2007	06:00 - 16:00	10.00	PERF	2	120° phasing per the CBL log dated 7/9/07 @ 3 JPF: 14555 -57'; 14617- 19'; 14648-50'; 14758-60'; 14895-97' & 14908-10' (48 holes). Zone #4: (14555' -14910' - Mancos "C"): Frac this interval down csg using a 2% KCL slickwater system as follows: Pump 400 gals of 15% HCL acid followed by a 16000 gal pad and stage 0.25 to 1.25 ppg 30/50 Econoprop in 50000 gals of fluid and had 3-10,000 gal spacers in between the sand stages and flush with 9531 gals of slick water. Total of 44600# of sand and a total load of 2585 bbl. Max rate = 45.9 BPM; awg rate = 39.2 BPM; Max psi = 11420#; avg psi = 10375#; ISIP - 68868# (.91). Libricate in a 4-1/2" comp frac plug and set at 14430. Perforate the following Mancos "C" intervals per the above gun and log: 14258-62'; 14296-14302' & 14393'-94 Mancos "C"): Frac this interval using a 2% KCL 10# linear gel water system as follows: Pump 1400 gals of 15% HCL acid followed by a 15000 gal pad abd stage 0.5 to 1.5 ppg 30/50 mesh Econoprop in 27800 gals of fluid and went to flush due to possible screen-out. Flushed successfully with 9366 gals of slick water. Total of 26630# of sand and a total load of 1270 bbls. Max rate = 45.6 BPM; avg rate = 39.6 BPM; max psi = 11395#; avg psi = 10280#; ISIP = 6804# (.93). Lubricate in a comp frac plug and set at 14170'. Peforate per the above gun & log the following Mancos "C" intervals: 13823-25'; 13876-78'; 13947-49'; 14049-51'; 14101-03'; 14110-12' & 14154-56' (42 holes). Zone #6 (13823' -14156' - Mancos "C"): Frac this interval using a 2% KCL slickwater system as follows: Pump 1400 gals of 15% HCL followed by a 22000 gal pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 52500 gals of slick water. Total of 45000# of sand and a total load of 2625 bbl. Max rate = 46.4 BPM; avg rate = 46.4 BPM; avg rate = 46.4 BPM; avg rate = 64.6 BPM; max psi = 10580#; avg psi = 8777#; ISIP = 6821# (.93). Lubricate in a comp frac plug and set at 13720'. Perforated the following intervals per the above gun & log: Mancos "B" : 13383-85'; 13442-44'; 13509-05'; 135

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
8/9/2007	06:00 - 16:00	10.00	PERF	2	15815-17'; 15819-21'; 15892-94'; 15919-21', 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
0/24/2007	06:00 - 16:00	10.00	PERF	2	RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/23/07 MIRU Rocky Mtn. WS to resume completion of well. MI related equipment. On 10/24/07 will RIH with gauge ring and if OK with set a comp BP. perforate squeeze holes and set a WL set cement retainer. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44'; 16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
0/25/2007	06:00 - 16:00	10.00	PERF	2	TIGHT HOLE - On 10/24/07 SICP = 640#, SIAP = 280#. MIRU Cutters WL and ran

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Operations Summary Report

Well Name: GB 1M-4-8-22R

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/

1/24/2007

Rig Release: Rig Number: 3

Date From	- To Hours	Code	Sub Code	Description of Operations
06:00 -	16:00 10.00	PERF	2	a 3.625" gauge ring to 13280' - OK. Set a CBP @ 13260'. Fill csg with 140 bbls of 2% KCL water and test csg and plug to 4000# - held OK. Bled csg down to 1000#. Perforate squeeze holes from 13150' - 13152' (8 holes) at 4 JPF and 90° phasing using a 3-1/8" csg gun. Open 4-1/2" x 9-5/8" annulus to the pit before perforating and lost 600# on the 4-1/2" csg after perforating with no change in the gas blow from the annulus. POOH with gun. Attempt to break down csg squeeze holes with returns up the 4-1/2" x 9-5/8" annulus several times at 4000# max and would not break down after surging back each time. Left 1000# SICP on the well overnight and SIFN. On AM of 10/25/07 SICP = 1800# & SIAP = 50#. 24 Hour Forecast: Will run a bond log. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99', 16858-59'; 16907-08' 16994-96'; 17026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87', 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10', 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & 'C' 13692-94'; 13534-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
0/26/2007 06:00 - 16:00	10.00	LOG	4	TIGHT HOLE - On 10/25/07 SICP = 1800# & SIAP = 50#. Bled off csg. RU Cutters WL to run a CBL/VDL/GR log. RIH to 13150' & having too much gas interference to obtain valid data. POOH with logging tools. WL set a CBP @ 13140' & test plug to 4000# after filling the hole with 14 bbls of water. Re-run log from 13140' to 9950' and starting to have too much gas interference at 9950'. Lay down logging tools and SIFN. Will allow gas to migrate up the hole in order to obtain good bond log data. On AM of 10/26/07 SICP = 1100# & SIAP = 80#. 24 Hour Forecast: Will continue to run log. Casing size: 4-1/2" 15.1# P-110 & Q125
				Casing depth: 17083' FC@ 17080' Perfs:

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Operations Summary Report

Well Name: GB 1M-4-8-22R

1/24/2007

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

Spud Date: 1/2
Rig Release:
Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
0/26/2007	06:00 - 16:00	10.00	LOG	4	ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05'
0/29/2007	/29/2007 06:00 - 16:00	10.00	LOG	2	13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE -On 10/26/07 SICP = 1100# and SIAP = 80#. Bled down csg to 0# in 5 minutes. RU Cutters WL and continue to run a CBL/VDL/GR log from 10700' to 4800' with no pressure on well. RDMO Cutters WL and SIFWE. 24 Hour Forecast: Will NDWH & NU BOP's and start to pick up tbg.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99', 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C"

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26

Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2
Rig Release:
Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
0/29/2007	06:00 - 16:00	10.00	LOG	2	13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
0/30/2007	06:00 - 16:00	10.00	ВОР	1	TIGHT HOLE - On 10/29/07, SICP = 0# & SIAP = 450#. ND 15K frac valve and NU 4-1/16" x 15K BOP stack with 1 set of blind rams and 2 sets of pipe rams. SIFN.
	:				24 Hour Forecast: Will start to pick up tbg.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
0/31/2007	06:00 - 16:00	10.00	ВОР	1	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #6: MANCOS 'B' & 'C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE -RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/30/07 SICP=0#. Tally and rabbit in the hole with new 2-3/8" EUE 8rd 4.7# P-110 tbg.to 11300'. SIFN. On 10/31/07 will continue to pick up tbg.and will circ.hole with 2% KCL water and start to POOH with tbg Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D'

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Operations Summary Report

Well Name: GB 1M-4-8-22R

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
0/31/2007	06:00 - 16:00	10.00	вор	1	15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
11/1/2007 06:00 - 16:00	10.00	TRP	5	TIGHT HOLE - On 10/31/07 SICP = & SITP = 0#. SIAP = 820#. Continue to tally and rabbit in the hole with new 2-3/8" tbg and tag CBP @ 13140'. Circ hole with 2% KCL water. POOH w/ tbg. SIFN. 24 Hour Forecast: Will perforate squeeze holes. Casing size: 4-1/2" 15.1# P-110 & Q125	
1/2/2007	06:00 - 16:00	10.00	DERE		Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65', 16715-17' 16723-24'; 16798-99'; 16858-59', 16907-08' 16994'-96'; 17026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C'' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
1/2/2007	06:00 - 16:00	10.00	PERF	2	TIGHT HOLE - On 11/1/07 SICP = 0#. MIRU Cutters WL and perforate proposed circ/squeeze holes at the following depths using a 3-1/8" csg gun and "Prospector" charges at 2 shots each with 180* phasing: 13150' & 11550'. Had placed 2000# on

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2
Rig Release:
Rig Number: 3

	From - To 6:00 - 16:00	Hours 10.00	Code	Sub Code	Description of Operations
11/2/2007 06	6:00 - 16:00	10.00			
11/5/2007 06	6:00 - 16:00	10.00	OTH	2	the csg prior to perforating and had no pressure drop. RDMO Cutters WL. Attempt to pump into csg at 4000# with no break. Open csg to the pit and started to flow. Flowed back est 170 bbls of water and turned to gas and flowed the well to the pit for 2 hours on a 18/64" choke with a stabalized FCP = 1200# and a very slight mist of water. SIFN. On AM of 11/2/07 SICP = 5300#. 24 Hour Forecast: Will attempt to test well on 11/2/07. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083" FC@ 17080" Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29"; 16332-33", 16443-44";16468-69" 16482-83"; 16538-39" 16684-65"; 16715-17" 16723-24"; 16798-99"; 16858-59"; 16907-08" 16994-96"; 17026-27". ZONE #2: FRONTIER/MANCOS 'D' 15815-17"; 15819-21"; 15892-94"; 15919-21"; 15963-65"; 15995-87"; 16158-60"; 16200-02" ZONE #3: FRONTIER/MANCOS 'D' 15048-50; 15094-96"; 15213-15"; 15245-47" 15309-11"; 15472-74"; 15588-90"; 15652-54" ZONE #3: MANCOS 'C" 14908-10"; 14895-97"; 14794-96"; 14758-60" 14703-05"; 144648-50"; 14617-19"; 14555-57" ZONE #6: MANCOS 'C" 14154-56"; 14110-12"; 14101-03" 14049-51"; 13947-49"; 13876-78"; 13823-25" ZONE #6: MANCOS 'C" 13982-94"; 13554-56"; 13516-18"; 13503-05" 13442-44"; 13383-85"; 13311-13"; 13274-76" Squeeze holes @ 13150" & 11150" on 111/1/07 TIGHT HOLE - On 11/2/07 SICP = 5300# and SIAP = 80#. Open csg on a 18/64" choke to the pit for 1/2 hour with FCP = 2900# and SI the well due to heavy gas vapors staying on the ground and also to turn to gas sales with no fluid recovery. Turn well to gas sales at 9:30 AM on 11/2/07 with the following readings: 9:30 AM = 16/64"; 1300#; 34 AMMCCPP; 1:00 AMM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 100#; 3.4 MMCFP; 11:00 AM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 100#; 3.4 MMCFP; 11:00 AM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 100#; 3.4 MMCFP; 11:00 AM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 100#; 3.4 MMCFP; 11:00 AM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 10.6 MCFD. Left well producing overnight. On 11/3/07 16/64"; 1800#; 842 MCFD; 2:00 P

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/ Rig Release: Rig Number: 3

dg Name.	ROCKY M1	IN WVS			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
11/5/2007 06:	06:00 - 16:00 06:00 - 16:00	10.00			Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C'' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B'' & "C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/5/07 SICP = 6000#. Open csg to the pit on a 14/64" choke for 2 hours with a final FCP = 2700# and dry gas. Turn the well to gas sales for
1/6/2007	06:00 - 16:00	10.00	ОТН		

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date:

1/24/2007

Rig Release:
Rig Number: 3

ray ivalle.	NOCKI WII	11 773			Tig Number. 5
Date	From - To	Hours	Code	Sub Code	Description of Operations
11/6/2007	06:00 - 16:00 06:00 - 16:00	10.00	отн	2	14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - Well was SI on 11/6/07 while surface equipment was installed and sytems cleaned out. 24 Hour Forecast: Will attempt to flow test the well.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT
11/8/2007	06:00 - 16:00	10.00	PTST	5	16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11150' on 11/1/07 TIGHT HOLE - On 11/7/07 - SICP = 5800/# & SIAP = 680#. Construction still working on surface equipment. Bled off AP to 5# and has a very minimal gas blow. Open csg to production system at 4:45 PM. Released rig crew for the day. On AM of 11/8/07 well is S1 at the wellhead due to debris flowing into system. Evaluating options. 24 Hour Forecast: Evaluating Options. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4-8-S 22-E 26 Rig Name: ROCKY MTN WS 1/24/2007

Spud Date: 1/2 Rig Release: Rig Number: 3

Date F	From - To	Hours	Code	Sub Code	Description of Operations
	6:00 - 16:00 6:00 - 16:00	10.00	WOT	5	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44;16468-69' 16482-83; 16538-39' 16664-65': 16715-17' 16723-24'; 16798-99; 16858-59'; 16907-08' 16994-96; 77026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-80'; 15652-54' ZONE #3: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'R' 33442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' 81 1150' on 111/107 TIGHT HOLE - On 11/8/07 - Rig is on standby pending installation of Parchman equipment on 11/12/07. Casing size: 4-1/2" 15.1# P-110 & O125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 166443-44'; 16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 18598-94'; 16907-08' 16994-96'; 17026-27' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15692-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 14098-10'; 14498-90'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #6: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14392-94'; 1354-86'; 13616-86'; 13650-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'

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Operations Summary Report

Well Name: GB 1M-4-8-22R

Spud Date:

1/24/2007

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Rig Release: Rig Number: 3

equipment on 11/12/07. Casing size: 4-1/2" 15.1# P-110 & Q1 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAK 16328-29'; 16382-83'; 16443-44';1646 16482-83'; 16538-39' 16664-65'; 1671	standby pending installation of Parchman 25 OTA SILT 68-69' 15-17'
Perfs: ZONE #1: FRONTIER/DAKOTA/DAK 16328-29'; 16382-83'; 16443-44';1646 16482-83'; 16538-39' 16664-65'; 1671	68-69' 5-17'
down csg but chokes and line freezing methanol. SI the well for the night.	45-47' 52-54' 58-60' 55-57' 23-25' 03-05' 74-76' 11/1/07 900#. Moved in Parchman flow-back archman into csg valves and attempt to bleed g up immediately even while injecting Iting equipment and attempt to produce the 25 OTA SILT 68-69' 15-17' 07-08' 19-21';

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS 1/24/2007

Spud Date: 1/ Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/13/2007	06:00 - 16:00	10.00	PTST	2	15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62'
1/14/2007	06:00 - 16:00	10.00	PTST	2	ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/13/07 SICP = 5900# & SIAP ≈ 1020#. Install additional Parchman flowback equipment. Open the csg to Parchman flow back system at 11:30 AM on 11/13/07 on a 8/64" choke with a rate of 1.6 MMCFD and 5400#. At 2000 BM ECRE.
					2:00 PM FCP = 4550# on a 8/64" choke and 1.4 MMCFD rate. At 6:00 PM FCP = 3600# on a 12/64" choke at a rate of 2.3 to 2.8 MMCFD and starting to have problems with choke plugging and severe hydrates. SI the well at 7:00 PM due to line freezing. At 6:30 AM on 11/14/07 SICP = 5400#. 24 Hour Forecast: Will attempt to thaw out unit and try to produce the well again.
					Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69'
					16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'.
					ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D'
					15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C'
					14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C"
					14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25'
					ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07
1/15/2007	06:00 - 16:00	10.00	PTST	2	TIGHT HOLE - At 6:00 AM on 11/14/07 SICP = 5400#. Open the csg at 10:45 AM thru Parchman flow back equipment and then via our production units to sell gas.

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007

Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/15/2007	06:00 - 16:00	10.00	PTST	2	14 bbls of water per hour and FCP = 2500#. Continue to flow well overnight on various chokes and at 6:00 AM on 11/15/07 FCP = 1100# on a 18/64" choke at a rate of 1.1 MMCFD and 2-4 BPH of water with a recovery since AM of 11/14/07 of 113 bbls. System appears to be working fine.
				24 Hour Forecast: Will continue to flow test the well.	
					Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D'
11/16/2007	06:00 - 16:00	10.00	PTST	2	15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - At 6:00AM on 11/15/07 FCP=1100# on a 18/64" choke at a rate of 1.1 MMCFD and 2-4 bbl per hour. Continue to flow test thru Parchman and into gas sales for the next 24 hours. At 6:00AM on 11/16/07 FCP=1000# on a 18/64" choke at a rate of 1 MMCFD and 4 bbl.per hour of water. Have recovered 97 bbl.of water in the last 24 hours. This AM will RDMO Parchman and continue to flow the well via
					gas sales over the weekend. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21';

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007

Rig Release: Rig Number: 3

Sub Date From - To Hours Code **Description of Operations** Code 11/16/2007 06:00 - 16:00 10.00 PTST 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05': 14648-50': 14617-19': 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANÇOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - At 6:00 AM on 11/16/07 FCP≈1000# on a 18/64" choke at a rate of 1 11/19/2007 06:00 - 16:00 10.00 PTST MMCFD and 4 bbl.per hour of water. Continue to flow test after rigging down and moving out Parchman. Continue to flow the well during the day and at 2:00PM On 11/16/07 FCP=835# on a 18/64" choke at a rate of 800 MCFD and 2-4 bbl.per hour of water. Continue to produce the well via gas sales over the weekend with no troubles and at 7:00AM on 11/19/07 FCP=670# at a rate of 670 MCFD with no rate on fluid and a SIAP=1400#. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29': 16382-83': 16443-44':16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11': 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56', 13516-18'; 13503-05' 13442-44'; 13383-85', 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 10.00 PTST TIGHT HOLE - At 7:00 AM on 11/19/07 FCP≈870# at a rate of 670 MCFD. 11/20/2007 06:00 - 16:00

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS 1/24/2007

Spud Date: 1/3
Rig Release:
Rig Number: 3

Date From	n - To Hours	Code	Sub Code	Description of Operations
1/20/2007 06:00	- 16:00 10.00	PTST	2	SIAP=1400#. SI csg.and bullhead 50 bbl.of 10# brine and 30 bbl.of 2% KCL water down csgCsg.started to pressure up to 200#. Bled off AP of 1400# to 10#. SI csg for 1 hour and SICP built to 900#. Attempt to bleed off csg.but started to flow water. Pump 5 bbl.of brine water csg.built to 1000#. SIFN. On AM of 11/20/07 SICP=3100#. Attempting to bleed off csg.
				Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
1/21/2007 06:00	- 16:00 10.00	PTST	2	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/20/07 SICP=3100# and SIAP=100#. Bled off csg.to 1000# and started flowing back water. Bullhead 50 bbl. of 10# brine down csg.to a max.psi of 3300#; SI csg.for 90 minutes and attempt to bleed off csg.and bled down from 2300# to 2000# and started to flow back water. MIRU Cutters WL and ran a PBTD with tag at 13114'. Squeeze perfs.at 13110' and comp.BP at 13140'. RDMO Cutters WL. On AM of 11/21/07 SICP=2900#. On 11/21/07 will attempt to bleed off
				csg LLTR: 130 Csg Size: 4-1/2" 15.1# P-110 & Q-125
				Casing depth: 17083' FC@ 17080'
				Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83', 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17'

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007

Rig Release:
Rig Number: 3

11/21/2007 06:0	00 - 16:00	10.00	PTST	2	16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4 MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57'
/26/2007 06:0	:00 - 16:00	10.00	PTST	2	ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/21/07 SICP = 2900#. Open csg on a 12/64" choke to bleed down pressure. Flowed the csg for 3 hours on a 12/64" choke and flowed back gas for 2-3/4 hours and started to flow back water and gas. SI the well @ 11:00 AM on 11/21/07 and well will remain SI until AM of 11/26/07. LLTR: 130 bbls Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
					Csg Size: 4-1/2" 15.1# P-110 & Q-125

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/.
Rig Release:
Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
Date 1/27/2007	From - To 06:00 - 16:00	10.00	LOG		TIGHT HOLE - On AM of 11/26/07 SICP = 5300# & SIAP = 560#. Bleed off csg down to 1800# on a 16/64" choke after 2-1/2 hours & recovering gas and started to get water back. MIRU Cutters WL and RIH with CBP to 11422' & attempt to set plug and had one small kick on CCL meter and did not appear to stroke properly and did not shear off of plug. Could not go down but pulled up slowly to 11118' (plug depth) with plug hanging up on every csg collar and could not go further. Attempt to pull out of rope socket and could not with a SICP = 4200#. Turn well over to production department overnight to attempt to lower csg psi via gas sales. 24 Hour Forecast: Will attempt to free plug or tool. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83'; 16443-44'; 16488-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15904-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #6: MANCOS 'B' & "C'' 13902-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/107 TIGHT HOLE - On 11/27/07 Csg is selling via gas sales with FCP = 850# at a rate of 980 MCFD. Open to pit and bled down csg while attempting to pull out of rope socket or release stuck CBP by surging. No success. Bled off csg to 140# and pump 30 bbts of 10# brine and filled gas filled csg. Sig on a very slight vacuum. Drop Kenley Wireline Cutter and pumped an additional 43 bbts of brine and once again filled hole. Cut off wireline and POOH with line with no Kenley Tool attached leaving an est 1000' of lin
					gauge ring and tag @ 9935'. POOH w/ wireline gauge & RDMO Cutters WL. 24 Hour Forecast: Will attempt to kill well and RIH with fishing string on tbg. Turn

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007

Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
Date 1/28/2007	From - To 06:00 - 16:00	10.00	LOG		Description of Operations Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-80'; 16200-02' ZONE #3: MANCOS 'D' 15048-50'; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & 'C' 13369-94'; 13545-66'; 13516-18'; 13503-05' 13422-44'; 13383-85'; 1331-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/107 TIGHT HOLE - On 11/28/07 FCP = 540# at a rate of 960 MCFD via gas sales. SIAP = 650#. Open csg to pit and bled down to 140#. Pump 60 bbls of 10# brine down csg. Make up fishing tools and RIH with a 3-5/8" OS; 1-5/8" grapple; string float; bumper sub; jars; drain sub and tbg to 9802'. Circ hole with 125 bbls of 10# brine. Hole stayed dead for 1 hour when RIH. Continue in the hole and tag @ 9992'. Set down with 8M# and pull over by 3000#. Pump 10 bbls of brine water to check for increase in circulating pressure and had an additional 200#. Presume there is something in the grapple. Pull tbg to 4995' & SIFN. Load well with 18 bbls of brine water. 24 Hour Forecast: Will attempt to POOH and review fish. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16648-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15903-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: FRONTIER/BANCOS 'D' 15048-50'; 15949-69'; 15513-15'; 15245-47' 15309-11'; 15472-74'; 1558-90'; 15652-54' ZONE #2: MANCOS 'C'

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Questar E & P

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date:

1/24/2007

Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/29/2007 11/30/2007	06:00 - 16:00 06:00 - 16:00	10.00		5	14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/29/07 SICP = 2000# & SITP = 1500#. Bled off tbg & csg with just gas. Fill hole with 12 bbls of 10# brine. Finish POOH with OS & grapple & tbg. Had no fish but indicated what appeared to be the Kinley Cutter had been up in the OS but not in the grapple. RIH with wireline spear and related fishing equipment to 8000' & land tbg w/ 30 bbls of brine water. Finish RIH & work over wireline from tag @ 10009' to 10097'. Pulling 3-4M# over string weight. Start POOH with a 1000# drag & POOH to 4000'. Load well with 8 bbls of brine and SIFN.
12/3/2007	06:00 - 16:00	10.00	WCL	1	24 Hour Forecast: Will finish POOH & Observe fish recovery. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96', 15213-15'; 15245-47' 15309-11'; 15472-74', 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96', 14758-60' 14703-05'; 14648-50'; 14617-19', 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/30/07 SICP = 2000# & SITP = 1150#. Bled off tbg. Open csg to pit to bleed down and bled off to 0# in 30 minutes. Load csg with 14 bbls of 10# brine. Well dead. Pull 1 std of tbg to 3888' and csg started to flow. Circ hole w/ 65 bbls of 10# brine & csg would not die. Attempt to bleed off csg several times and

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1

1/24/2007

Rig Release:
Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
12/3/2007	06:00 - 16:00	10.00	WCL	1	minutes and rose to 3350#. Attempt to bleed off gas head and circ an additional 50 bbls of brine with csg flowing on a 10/64" choke with 3050# FCP & not dying off. Install pump joint below pipe rams and open the well to gas sales via csg. On 12/1/07 well was selling gas with a CFCP of 670# at a rate of 990 MCFD. On 12/2/07 well was selling gas with a FCP of 485# and a rate of 775 MCFP and flowed back 103 bbls of water in the last 24 hours. On AM of FCP = 430# at a rate of 850 MCFD.
	!				24 Hour Forecast: Will attempt to blow well down and kill well to POOH with tbg & spear.
					Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
12/4/2007	06:00 - 16:00	10.00	FISH	5	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99', 16858-59'; 16907-08' 16994'-96'; 17026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & "C" 13992-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-33'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/107 TIGHT HOLE - On AM of 12/3/07 FCP = 430# at a rate of 850 MCFD via gas sales. Open csg to pit and bled down to 175#. Pump 110 bbls of 10# brine down the tbg and loaded hole. POOH w/ fishing tools and recovered 200' of wireline but no Kenley Cutter. Kept hole full while tripping with brine water. RIH w/ same fishing tool string to 9944'. Csg started to flow when spear was at 3500' and have a final FCP = 650# on a 28/64" choke to the pit. Previous fish top was tagged @ 9992'. Stayed above fish for night due to time of day. SIFN. On AM of 12/4/07 SICP = 3900#. 24 Hour Forecast: Will attempt to kill well & fish with spear. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs:

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007

Rig Release:
Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/4/2007	06:00 - 16:00	10.00	FISH	5	ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12', 14101-03' 14049-51'; 13947-49', 13876-78'; 13823-25'
12/5/2007 06:00 - 16:00	06:00 - 16:00	10.00	FISH	5	ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On AM of 12/4/07 SICP = 3900# & SITP = 2000#. Bled off tbg & csg to 1000# and unloading brine water and gas. Pump 135 bbls of 10# brine down the tbg to circulate while holding 175# on csg with a choke. SI 1 hour to observe PSI build and built to 650#. Attempt to bleed off gas and started unloading brine and gas on a 10/64" choke with pressure climbing to 1700# and continuing to build.
					A decision has been made to delay any more fishing and to place the well on production. SIFN. On AM of 12/5/07 SICP = 4000#. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'
					ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C"

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS

1/24/2007

Spud Date: 1/2
Rig Release:
Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/5/2007	06:00 - 16:00	10.00	FISH	5	14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C"
					13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
2/6/2007	06:00 - 16:00	10.00	вор	1	Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On AM of 12/5/07 SICP = 4000#. Bled csg down to 2000# and circ 110 bbls of brine down the tbg to control the well. POOH and lay down tbg to 6816'. RIH w/ 48 stands of tbg from the derrick and land tbg tail @ 9953' (spear). 'F' Nipple (1.81") at 9836'. Land tbg in hanger. ND BOP's and NU WH. SIFN.
					On 12/6/07 will RDMO Rocky Mtn Well Service & turn well over to the production department. Report discontinued until further activity. Fish remains in the hole consisting of est 800' of electric line, Kenley Cutter & sinker bars & setting tool. Well will be produced up the csg.
					Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'
					Perfs:
				ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT	
					16328-29'; 16382-83'; 16443-44';16468-69'
					16482-83'; 16538-39' 16664-65'; 16715-17'
					16723-24'; 16798-99'; 16858-59'; 16907-08'
					16994'-96'; 17026-27'.
					ZONE #2: FRONTIER/MANCOS 'D'
		1		1	15815-1 <u>7</u> '; 15819-21'; 15892-94'; 15919-21';
		!			15963'-65'; 15985-87'; 16158-60'; 16200-02'
					ZONE #3: MANCOS 'D'
					15048-50; 15094-96'; 15213-15'; 15245-47'
					15309-11'; 15472-74'; 15588-90'; 15652-54'
					ZONE #4: MANCOS 'C'
					14908-10'; 14895-97'; 14794-96'; 14758-60'
				1	14703-05'; 14648-50'; 14617-19'; 14555-57'
					ZONE #5: MANCOS "C"
					14392-94'; 14296' - 14302'; 14258-62'
					ZONE #6: MANCOS 'C"
					14154-56'; 14110-12'; 14101-03'
					14049-51'; 13947-49'; 13876-78'; 13823-25'
					ZONE #7: MANCOS "B" & "C"
					13692-94'; 13554-56'; 13516-18'; 13503-05'
					13442-44'; 13383-85'; 13311-13'; 13274-76'
					Squeeze holes @ 13150' & 11550' on 11/1/07
					Tbg Detail: Wireline spear: bit sub; drain sub; string float; bumper sub; jars; x-over sub; 8' pup; 1 jt of tbg; 1.81" "F" Nipple and 303 its of tbg to surface. All tbg is 2-3/8'
					EUE 8rd 4.7# P-110. Tbg tail @ 9953'; "F" Nipple @ 9886'. Top of wireline fish est at 9992'.
		ı		1	

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Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name:

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Rocky Mtn Well Service

Rig Release:

End: Group:

Contractor Name:

Rig Number: 3

Di~	Name:	
Riu	mame:	

ROCKY MTN WS

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/28/2007	06:00 - 16:00	10.00	LOC	4		On 6/27/07 - Initial Completion Report. 7:00 AM Conduct safety meeting. MIRU IPS Flow Back Equipment. Spectrum fluid ser Zeco pit & shaker. 2:00 PM - MIRU Bronco Flow Cross BOP HCR Master Valve. IPS CTU Fluid pump. MU Lubricator. NU WH. Chain down & secure well. 24 Hour Forecast: Starting in hole to drill out cement.
6/29/2007	06:00 - 16:00	10.00	ВОР	1		On 6/28/07 - 7:00 AM Conduct safety meeting. Unchain ND lubicator from WH. MU Baker BHA. CTC pull test 25K. MU 2-7/8" jars. MU CT disc circ sub. MU MTR 3 tooth drag bit. Surface test MTR, circ sub opened replaced circ sub. Retest it opened. Replaced got good surface test. NU on WH test - all lines & WH equipment to 8000 psi BO Open well. 10:00 AM - Start in hole pumping 5 BPM to 2 BPM tag cement @ 10861' fell through CIH to 11015'. Fell through CIH to 11378'. Started drilling hard cement at 11401'. 2:00 PM had gas bubble and approx 15 bbl mud - stop drilling CWC - got up rubber plug debris. CIH to 11491'. 5:00 PM MTR quit POOH had stater rubber in mill port. Secure well SDFN @ 7:00 PM. Total footage drilled 630'.
6/30/2007	06:00 - 16:00	10.00	DRL	4		24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 11500'. Start drilling cement. 9:30AM - 11,600'. 11:30 AM - 11,860'. PU of BTM, SI csg psi to 3500 psi, surged back CIH drilling to 12651'. SI csg psi up to 3500 surge back no fill. See pumping 2 BPM, pump 15 bbls gel sweeps CWC. POOH secure well. 7:00 PM - SDFN.
7/1/2007	06:00 - 16:00	10.00	DRL	4		TOTAL FOOTAGE DRILLED TODAY = 1151' - TOTAL 1781'. 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 6/29/07 @ 6:00 AM Conduct safety Meeting. MU Baker BHA 2-7/8 MTR 3-5/8" 3 tooth drag bit. NU on WH test lines & WH equipment to 8K BO. 7:00 AM Open well. TIH tag @ 12652'. CIH Drilling cement 2-4 FPM to 13280'. 1:30 PM - Top Bowen Union started leaking. PU of BTM moved crane around would not stop PSI up to 800, would not stop. Close pipe rams. Pumped 15 bbls gel sweep. CWC open rams, POOH, SI well. ND Lubricate. ND Baker BHA. RD lubricator, change all o-rings. RU lubricator. MU Baker BHA as same. 6:00 PM - SDFN.

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007 End:

Contractor Name:

Rig Release:

Group:

Ria Name

Event Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

Rig Name:	F	ROCKY	MTN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/1/2007 7/2/2007	06:00 - 16:00 06:00 - 16:00	10.00		4		TOTAL FOOTAGE DRILLED TODAY = 628' - TOTAL 2409' 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/1/07, @ 6:00 AM Conduct Safety Meeting. BO 3 tooth drag mill. MU Baker 3.701 Carbide Hurricane mill. Surface test MTR, NU on WH test lines and WH equipment to 8K BO Open Well. TiH Tag @ 13288'. CIH drilling cement @ .5 to 1 FPM. 2:00 PM - Plugged choke w/ very course cut cement. Stop drilling pump. 15 BBL gel sweep. Clean well. SI csg psi up to 3500 . Surge back, CIH drilling to 13860'. PU pump 15 BBL Sweep CWC. POOH. SI well. ND Lubricator BO 3.701 Hurricane mill. BO MTR. MU MTR. MU 3 tooth drag bit. NU on WH. Secure well. SDFN @ 7:00 PM.
7/3/2007	06:00 - 16:00	10.00	DRL	4		TOTAL FOOTAGE DRILLED TODAY = 572' - TOTAL 2981' 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/2/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 to 9-5/8 5000 surface. Test MTR w/ 3-5/8 3 tooth drag mill test lines & WH equipment to 8K BO. Open well - TIH pumping .5 to 2 BPM. Tag @ 13838'. CIH drilling to 14838'. PU SI csg psi up 3500 surge back. CIH drilling to 15001'. Pump 15 bbl gel sweep. CWC POOH secure well clean and jet shaker pit full of cement. Replace 300 bbl of gel system w/ fresh 2% & re-gel up. SDFN @ 9:00 PM. Will run full drift 3.701 3 tooth drag mill in AM
7/4/2007	06:00 - 16:00	10.00	DRL	4		TOTAL FOOTAGE DRILLED TODAY = 1163' - TOTAL 4140' 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/3/07, 6:00 AM Conduct safety meeting. WHP 4-1/2 0 9-5/8" 5000. Surface test MTR w/ 3.701 3 tooth drag mill, test lines & WH equipment to 8K - BO Open well. TIH pumping .5 to 2 BPM. Tag @ 14984'. CIH drilling to 15590'. PU 300'. Clean well up. CIH drilling picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 16300'. Pump 15 bbl gel sweep CWC. POOH. Secure well. ND lube BO mill & MTR. MU new MTR. MU same mill 3.701. NU WH. SDFN @ 8:00 PM. TOTAL FOOTAGE DRILLED TODAY = 1316' - TOTAL = 5439' 24 Hour Forecast: Drill out cement. Csg Size: 4-1/2" 15.1#
						Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name:

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

End: Group:

Contractor Name: Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release: Rig Number: 3

ING Name.		NOCKI	101114 44	3		Nig Number. 5
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/5/2007	06:00 - 16:00	10.00	DRL	4		On 7/4/07 - 6:00 AM Conduct safety meeting. WHP 4-1/2 0 5200, Surface test MTR w/ 3.701 3 tooth drag mill. Test line & WH equipment to 8K BO. Open well. PSI up csg 3500 surge back. TIH pumping .5 to 2 BPM. Tag @ 16315'. CIH drilling ROP 2-4 picking up 50' for every 100' drilled. Pumping gel sweeps every 50'. Drilled CIH to 17058'. Tag & stall. PU 50' RIH to 17058'. Tag & stall. PU 50' RIH to 17058'. SI csg PSI to 3500 psi. Surge back. RIH circ 2 BTM up w/ 3 - 20 bbl 80 VIS Sweeps. To surface displace gel water w/ 191 bbl 2% KCL. POOH. RDMO IPS CTU & Pumps 17058 + 22' KB 17080'. Clean & jet spectrum tank.
						TOTAL FOOTAGE DRILLED TODAY = 743' - TOTAL = 6197' Relieved by Mike Hagen (580)254-4394.
		ļ				24 Hour Forecast: Run cased hole logs.
7/7/2007	06:00 - 16:00	10.00	LOG	2		Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/6/07, @ 12:30 PM MIRU Schlumberger EWL, Crane. NU 4-1/16" x 15K Crossover Flange on top of production tree. Open up master valves on tree to check pressure on csg 0#. Make up 3.623" DTI Cased Hole Logging Tools and start in hole @ 5:00 PM. Engineer was going in hole too fast abd hit fluid @ 381' and jumped line off shelve. Shut down to fix line and continue in hole with logging tools and set down @ 16,095'. Work log tools up/down to try and get through spot. Could not get through spot w/ repeated attempts. Called Mr. Stahl to inform him where we set down at. POOH w/ logging tools and RDMO Schlumberger Logging Truck, Crane. Secure well for the night and shut down.
		į				24 Hour Forecast: MIRU IPS Coil Tbg Unit and RIH down to 16,095' and clean out to bottom.
7/8/2007	06:00 - 16:00	10.00	TRP	9		Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/7/07, MIRU IPS Coil Tubing Unit & pull test CC to 25K and pressure test to 2500#. Function test motor to @ 2.0 bbls 2800#. NU to production tree and RIH with 2.88" x 2.375" Coil Connector, 2.88" x 2.375" Dual Back Pressure Valve, 2.88" x 2.375" Bowen Coil Tubing Jars, 2.88" x 2.375" Hydraulic Disconnect, 2.88" x 2.375" Dual Circulation Valve, 2.88" x 2.375" VIP NaviDrill Motor, X-Over Sub 2-3/8" Reg x 2-3/8" PAC (BXP). RIH w/ coil tbg & hit a small bobble @ 16,093' only about 2K difference pushed right through and RIH down to 17,063' & pick up 5' off bottom & pump 10 bbls FR Pill. Circulate bottoms up & POOH with C/T & shut production tree in. RD C/T Unit. SDFWE.
						24 Hour Forecast: Leave C/T on standby for Monday if Bond Log won't go through.
7/10/2007	06:00 - 16:00	10.00	LOG	4		Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/9/07, MIRU Cutters EWL and NU 4-1/16" x 15K x 10 K crossover spool. RIH w/ 3.625" GR/JB down to 17,065' (EWL Measurement) &

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Event Name:

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

End:

7/12/2007

7/15/2007

06:00 - 16:00

06:00 - 16:00

10.00 LOG

10.00 LOG

Contractor Name: Rocky Mtn Well Service Rig Name: ROCKY MTN WS						Rig Release: Group: Rig Number: 3		
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations		
7/10/2007	06:00 - 16:00 06:00 - 16:00	10.00		4		POOH w/ same. Had few pieces of cement in JB on surface. RIH w/ CCL/2.375" CBL tool down to PBTD & start pulling bond log holding 2000# pressure @ 14,000' CBL quit working. POOH & fixed bond tools. RIH back down to 14,000' where tool quit working and start logging again. Pull CBL up to 5000' per Mr. Stahl's instructions. Shut down logging & POOH w/ CBL tools & secure well. RDMO EWL, Hot Oiler. TOC @ 12,610' 20-30% bond down to 13,200'. Excellent cement from 13,200' down to 17,065' 95-100% bond. 24 Hour Forecast: MIRU PLS EWL to run Temp & Noise Survey. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' On 7/10/07 MIRU PLS EWL Truck, Mast. NU 4-1/16" x 15K x 5K flange on top of production tree. RIH w/ CCL, 1-3/4" Temp & Noise Tool down to 15,000'. Pull back up to 12,000' and open up surface valve through Parchmans flow manifold to tank 20/64" choke 6000# pressure. BHT @ 12,000' was 219*F with well flowing to tank. Pressure had dropped down to 4500# 219*F. Slickline operator was adjusting trailer mounted mast and crimped line and shorted out tools. Shut surface valve in and POOH w/ tools. Secure well fo rthe night.		
						24 Hour Forecast: MIRU PLS EWL to rerun Temp & Noise Survey. No cost for wireline services today. Csq Size: 4-1/2" 15 1#		

Csg Size: 4-1/2" 15.1#

Csg Depth: 17,083' On 7/11/07, MIRU PLS EWL, Mast, check surface pressure 4500#. Open up surface through Parchman's manifold to tank 20/64" choke. RIH w/ CCL, 1-3/8" Temp & Noise Tool down to 5000' and record temp -122*F for 25 minutes. RIH down to 15,000' to start base log. Pull back up to 9100' and log back down and @ approx. 9500' log was showing gas entry. Continue down hole down to 10,000' and stop. Pull through spot @ 9500' with the same results. Pull up to 5000' and turn on noise log and continue down hole stopping every 100' to record noise. Stop @ top of 7" liner and record noise level (No change). Continue down hole to 9100' stopping in 50' intervals. Stop @ 9400' and noise level and temp were changing. Continue down to 9475' and stop and record temp/noise level. Called Mr. Stahl to inform him that gas entry according to noise log was @ 9475'. RIH down to 12,620' below 7" liner and record noise levels. No gas entry was showing up on temp/noise

24 Hour Forecast: Clean up log & sned to Denver.

log. POOH w/ tools and shut surface valve in and secure well.

Csg Size: 4-1/2" 15.1# Csg Depth: 17,083'

On 7/14/07, MIRU Schlumberger EWL Services, Crane. RIH w/ 3.56" GR/JB down to PBTD @ 17.085'. Start POOH w/ CCL, GR, JB and @ 16,550' JB was pulling tight with approx 1200# of tension over. Called Mr. Stahl to inform him of tight spot. Schlumberger will stay above tight spot and pull Sonic Image Tool from 16,500' - 12,600' and Gamma

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

Rocky Mtn Well Service

Rig Release:

End: Group:

Rig Name:

ROCKY MTN WS

Rig Number: 3

Ny Maille.		NOCKI	IVI I I V VV	S		rig number. 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/15/2007 8/8/2007	06:00 - 16:00 06:00 - 16:00	10.00	LOG	2	C-PERF	Ray/Neutron log from 12,600' up to 5,000'. POOH w/ tools and secure well RDMO Schlumberger. 6:00 AM on 7/15/07 - Operator was pulling 200' repeat pass and will RDMO this AM. JB had thin peices of cement in it on surface. 24 Hour Forecast: Process and send logs to Denver for evaluation. Csg Size: 4-1/2" 15.1# Csg Depth: 17,083' Report dated 7/4/07 by Rob Odom TIGHT HOLE.
						Continuation of completion report. The prod.csg.was drilled out with coil tog.to a PBTD of 17063'. The well was logged with Cutters WL on 7/9/07 with a CBL/VDL/GR log. The well was logged with Schlumberger on 7/14/07 with a Dipole Sonic/GR/Porosity log. All csg.and valves were pressure tested to 11500# with Quick Test. On 8/6/07 SI intermediate pressure was 6400#. Bled off with Parchman to a small blow on AM of 8/7/07. On 8/8/07 MRU OWP and perforated the following zones as follows using a 2-1/2" csg.gun at 2 JPF and 120* phasing per the CBL log dated 7/9/07: Frontier: 16328-29'; 16362-63'; 16443-44'; 16466-69'; 16482-83'; 16538-39'; 16664-65'; 16715-17' & 16798-99'; 16858-59'; 16907-08'; Dakota: 16994-96'; 17026-27' (32 holes). No pressure after perforating. SIFN. On 7/8/07 frac as follows below: ZONE #1 (16328-17027' - FRON./DAK.SILT/DAKOTA): Frac this interval using a 12# linear gel as follows: Breakdown with 1000 gal.of 15% HCL and 50-7/8" Bio-balls followed by a 20000 gal.pad and stage 0.5 to 2 ppg 30/50 mesh Econoprop in 43000 gal.of fluid and flush with 10595 gal.of slick water. Pad contained 5000# of 100 mesh sand. Total of 50400# of sand and a total load of 2005 bblMax.rate=44; Ave=20 BPM; Max.psi=11483#; Ave=9495#; Lubricate in a 4-1/2" comp.frac plug and set at 16273'. Perforate per the CBL log dated 7/9/07 the following intervals using a 2-1/2" csg.gun at 3 JPF and 120* phasing: Mancos D: 15815-17'; 15819-21'; 15892-94'; Froniter: 15919-21'; 15963-65'; 15985-87'; 16158-60' & 16200-02'; (48 holes). ZONE#2: (15815-16202' -MANCOS D//FRONTIER): Frac this interval using a slick water system as follows: Pump 400 gal.of 15% HCL followed by a 16000 gal.pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 24500 gal.of fluid and had 2-10000 gal.spacers between sand stages. Flush with 15800 gal.of slick water. Total of 14200# sand. Total load of 1450 bblMax=41.4; Ave=35.8; Max.psi=11242#; Ave=10588#; ISIP=7839# (.93). Lubricate in a comp.frac plug and set at 15709'; Perforate per the above gun and l

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

10.00 PERF

10.00 PERF

Event Name:

Date

8/8/2007

8/9/2007

COMPLETION

From - To Hours Code

06:00 - 16:00

06:00 - 16:00

Start:

6/28/2007

Spud Date: 1/24/2007

End: Group:

Contractor Name: Rig Name:

Rocky Mtn Well Service **ROCKY MTN WS**

Sub

Code

2

Phase

C-PERF

C-PERF

Rig Release:

Rig Number: 3

Max.psi=11691#; Ave=10242#; SIFN. Max.psi on intermediate csg.was 50# during the job after bleeding off overnight.

Description of Operations

Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'

Load from yesterday: 250 Plus water today: 4600 LLTR: 4850

ZONE#1: FRON./DAK./SILT

16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'

ZONE#2: FRON./MANCOS D

15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE#3: MANCOS D

15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'

ON AM of 8/8/08 SI psi on intermediate is 750#-bled off

On 8/8/07 - Perforate the following Mancos 'C' intervals using a 2-1/2" csg gun at 120* phasing per the CBL log dated 7/9/07 @ 3 JPF: 14555 -57'; 14617- 19'; 14648-50'; 14758-60'; 14895-97' & 14908-10' (48

holes).

Zone #4: (14555' - 14910' - Mancos "C"): Frac this interval down csg using a 2% KCL slickwater system as follows: Pump 400 gals of 15% HCL acid followed by a 16000 gal pad and stage 0.25 to 1.25 ppg 30/50 Econoprop in 50000 gals of fluid and had 3-10,000 gal spacers in between the sand stages and flush with 9531 gals of slick water. Total of 44600# of sand and a total load of 2585 bbl. Max rate = 45.9 BPM; avg rate = 39.2 BPM; Max psi = 11420#; avg psi = 10375#; ISIP = 6886# (.91). Libricate in a 4-1/2" comp frac plug and set at 14430'. Perforate the following Mancos "C" intervals per the above gun and log:

14258-62': 14296-14302' & 14392-94' (36 holes).

Zone #5 (14258' - 14393' - Mancos "C"): Frac this interval using a 2% KCL 10# linear gel water system as follows: Pump 1400 gals of 15% HCL acid followed by a 15000 gal pad abd stage 0.5 to 1.5 ppg 30/50 mesh Econoprop in 27800 gals of fluid and went to flush due to possible screen-out. Flushed successfully with 9366 gals of slick water. Total of 26630# of sand and a total load of 1270 bbls. Max rate = 45.6 BPM; avg rate = 39.6 BPM; max psi = 11395#; avg psi = 10280#; ISIP = 6964# (.93). Lubricate in a comp frac plug and set at 14170'. Peforate per the above gun & log the following Mancos "C" intervals: 13823-25';

Zone #6 (13823' - 14156' - Mancos "C"): Frac this interval using a 2% KCL slickwater system as follows: Pump 1400 gals of 15% HCL followed by a 22000 gal pad and stage 0.25 to 1.25 ppg 30/50 mesh Econoprop sand in 52500 gals of fluid with 3-8500 gal spacers in between sand stages and flush with 9100 gals of slick water. Total of

13876-78'; 13947-49'; 14049-51'; 14101-03'; 14110-12' & 14154-56' (42

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name:

Start:

6/28/2007

Spud Date: 1/24/2007

Contractor Name:

COMPLETION

End: Group:

Rocky Mtn Well Service

Rig Release:

Rig Name:	ı	ROCKY	MTN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/9/2007	06:00 - 16:00	10.00	PERF	2	C-PERF	45000# of sand and a total load of 2625 bbl. Max rate = 46.4 BPM; avg rate = 45.6 BPM; max psi = 10580#; avg psi = 8774#; ISIP = 6821# (.93). Lubricate in a comp frac plug and set at 13720'. Perforated the following intervals per the above gun & log: Mancos "B": 13383-85'; 13442-44'; 13503-05'; 13516-18'; 13554-56';: Mancos "C" = 13892-94'; (36 holes).NOTE: MANCOS 'B' ZONES 13274-76' & 13311-13' DID NOT GET PERFORATED DUE TO MISRUN. Zone #7 (13383' - 13694' - Macnos "B" & "C"): Frac this interval with a 10# linear 2% KCL water system as follows: Pump 1400 gals of 15% HCL acid followed by a 19000 gal pad and stage 0.5 to 2 ppg 30/50 mesh Econoprop in 31500 gals of fluid and flush with 7865 gals of slick water. Total of 40800# of sand and a total load of 1420 bbls. Max rate = 38.8 BPM; avg rate = 30.7 BPM; max psi = 11263#; avg psi = 9542#; ISIP = 6516# (0.92). SI the well and RDMO service companies. Open the well at 10:00 PM after a 2-1/2 hour SI period. SICP = 6650#. At 5:30 AM on 8/9/07 SICP = 8750# on a 12/64" choke with lite sand and a rate of 103 BPH of water with no gas and a total recovery in the last 7-1/2 hours of 735 bbls. Will MIRU IPS Coil Unit this AM and clean out well. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
						LLTR: 11995 Gals Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D'
						15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
10/24/2007	06:00 - 16:00	10.00	PERF	2	C-PERF	RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/23/07 MIRU Rocky Mtn. WS to resume completion of well. MI

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

Rig Release:

End: Group:

Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/24/2007	06:00 - 16:00	10.00	PERF	2	C-PERF	related equipment. On 10/24/07 will RIH with gauge ring and if OK with set a comp BP. perforate squeeze holes and set a WL set cement retainer. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
10/25/2007	06:00 - 16:00	10.00	PERF	2	C-PERF	Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27' ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15995-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C'' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B''' 8 "C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE - On 10/24/07 SICP = 640#, SIAP = 280#. MIRU Cutters WL and ran a 3.625" gauge ring to 13280' - OK. Set a CBP @ 13260'. Fill csg with 140 bbls of 2% KCL water and test csg and plug to 4000# - held OK. Bled csg down to 1000#. Perforate squeeze holes from 13150' - 13152' (8 holes) at 4 JPF and 90* phasing using a 3-1/8" csg gun. Open 4-1/2" x 9-5/8" annulus to the pit before perforating and lost 600# on the 4-1/2" csg after perforating with no change in the gas blow from the annulus. POOH with gun. Attempt to break down csg squeeze holes with returns up the 4-1/2" x 9-5/8" annulus several times at 4000# max and would not break down after surging back each time. Left 1000# SiCP on the well overnight and SIFN. On AM of 10/25/07 SICP = 1800# & SIAP = 50#. 24 Hour Forecast: Will run a bond log. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44'; 16468-69'

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

End: Group:

Rocky Mtn Well Service

Rig Release:

Rig Name:		ROCKY				Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/25/2007	06:00 - 16:00	10.00	PERF	2	C-PERF	16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
10/26/2007	06:00 - 16:00	10.00	LOG	4	C-PERF	TIGHT HOLE - On 10/25/07 SICP = 1800# & SIAP = 50#. Bled off csg. RU Cutters WL to run a CBL/VDL/GR log. RIH to 13150' & having too much gas interference to obtain valid data. POOH with logging tools. WL set a CBP @ 13140' & test plug to 4000# after filling the hole with 14 bbls of water. Re-run log from 13140' to 9950' and starting to have too much gas interference at 9950'. Lay down logging tools and SIFN. Will allow gas to migrate up the hole in order to obtain good bond log data. On AM of 10/26/07 SICP = 1100# & SIAP = 80#. 24 Hour Forecast: Will continue to run log. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44'; 16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C'

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start: 6/28/2007 Spud Date: 1/24/2007

Event Name: Contractor Name:

Rocky Mtn Well Service

Rig Release:

End: Group:

Rig Name:

ROCKY MTN WS

Rig Number: 3

Sub Date From - To Hours Code Phase **Description of Operations** Code 06:00 - 16:00 10.00 LOG C-PERF 14154-56'; 14110-12'; 14101-03' 10/26/2007 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE -On 10/26/07 SICP = 1100# and SIAP = 80#. Bled down 10/29/2007 06:00 - 16:00 10.00 LOG 2 csg to 0# in 5 minutes. RU Cutters WL and continue to run a CBL/VDL/GR log from 10700' to 4800' with no pressure on well. RDMO Cutters WL and SIFWE. 24 Hour Forecast: Will NDWH & NU BOP's and start to pick up tbg. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE - On 10/29/07. SICP = 0# & SIAP = 450#. ND 15K frac 10/30/2007 06:00 - 16:00 10.00 BOP valve and NU 4-1/16" x 15K BOP stack with 1 set of blind rams and 2 sets of pipe rams. SIFN. 24 Hour Forecast: Will start to pick up tbg. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17'

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

Spud Date: 1/24/2007

Event Name:

6/28/2007

End:

Contractor Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release:

Group:

Rig Name:

Rig Number: 3

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/30/2007	06:00 - 16:00	10.00	ВОР	1		16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
10/31/2007	06:00 - 16:00	10.00	вор	1		TIGHT HOLE -RESUMPTION OF COMPLETION. THESE NEW COMPLETION COSTS TO BE ADDED TO PREVIOUS COMPLETION COSTS: On 10/30/07 SICP=0#. Tally and rabbit in the hole with new 2-3/8" EUE 8rd 4.7# P-110 tbg.to 11300'. SIFN. On 10/31/07 will continue to pick up tbg.and will circ.hole with 2% KCL water and start to POOH with tbg
						Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25'

Page 12 of 37

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Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name:

COMPLETION

Rig Release:

End:

Contractor Name:

Rocky Mtn Well Service MTN WS

Rig Number: 3

Group:

Rig Name:		F	ROCKY	M
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From - To	Hours	Code	Sub Code	Phase	Description of Operations
06:00 - 16:00	10.00	вор	1		13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'
06:00 - 16:00	10.00	TRP	5		TIGHT HOLE - On 10/31/07 SICP = & SITP = 0#. SIAP = 820#. Continue to tally and rabbit in the hole with new 2-3/8" tbg and tag CBP @ 13140'. Circ hole with 2% KCL water. POOH w/ tbg. SIFN.
					24 Hour Forecast: Will perforate squeeze holes.
					Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
					Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 144895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05'
06:00 - 16:00	10.00	PERF	2		13442-44'; 13383-85'; 13311-13'; 13274-76' TIGHT HOLE - On 11/1/07 SICP = 0#. MIRU Cutters WL and perforate proposed circ/squeeze holes at the following depths using a 3-1/8" csg gun and "Prospector" charges at 2 shots each with 180* phasing: 13150' & 11550'. Had placed 2000# on the csg prior to perforating and had no pressure drop. RDMO Cutters WL. Attempt to pump into csg at 4000# with no break. Open csg to the pit and started to flow. Flowed back est 170 bbls of water and turned to gas and flowed the well to the pit for 2 hours on a 18/64" choke with a stabalized FCP = 1200# and a very slight mist of water. SIFN. On AM of 11/2/07 SICP = 5300#. 24 Hour Forecast: Will attempt to test well on 11/2/07. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs:
	From - To 06:00 - 16:00 06:00 - 16:00	From - To Hours 06:00 - 16:00	From - To Hours Code 06:00 - 16:00	Profit - 10 Hours Code Code 06:00 - 16:00 10.00 BOP 1 5 5 1 1 1 1 1 1	From - To Hours Code Sub Code 06:00 - 16:00 10.00 BOP 1 06:00 - 16:00 10.00 TRP 5

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name:

Rig Release:

End: Group:

Contractor Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

F	ROCKY	MTN W	VS		Rig Number: 3
From - To	Hours	Code	Sub Code	Phase	Description of Operations
1	Hours 10.00	Code	Sub	Phase	Description of Operations 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39'; 16664-65'; 16715-17' 16723-24'; 16788-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #3: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-103' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & "C'' 13692-94'; 13554-56'; 31516-18'; 13503-05' 313442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/2/07 SICP = 5300# and SIAP = 80#. Open csg on a 18/64" choke to the pit for 1/2 hour with FCP = 2900# amd SI the well due to heavy gas vapors staying on the ground and also to turn to gas sales with no fluid recovery. Turn well to gas sales at 9:30 AM on 11/2/07 with the following readings: 9:30 AM = 16/64"; 3100#; 3.4 MMCFP, 11:00 AM: 16/64"; 1800#; 842 MCFD; 2:00 PM: 16/64"; 1.06 MCFD. Left well producing overnight. On 11/3/07 having problems with choke plugging off with sediment. Attempted several choke settings and chokes would immediately plug up. SI the well. On 11/4/07 - SICP = 5900#. Open the csg on a 26/64" choke and choke immediately plugged up. SIFN. On 11/5/07 will work with rig crew and check out variables. 24 Hour Forecast: Will work with rig crew & check out variables. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 165443-44'; 16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17'
					16328-29'; 16382-83'; 16443-44';16468-69'
	From - To 06:00 - 16:00	From - To Hours 06:00 - 16:00 10.00	From - To Hours Code 06:00 - 16:00 10.00 PERF	From - To Hours Code Code 06:00 - 16:00 10.00 PERF 2	06:00 - 16:00

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name: Contractor Name:

From - To

06:00 - 16:00

06:00 - 16:00

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Hours

Rocky Mtn Well Service

Code

Sub

Code

Phase

Rig Release:

End: Group:

Rig Name: Date

11/5/2007

11/6/2007

ROCKY MTN WS

10.00 OTH

10.00 OTH

Rig Number: 3

Description of Operations

15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60'

15048-50; 15094-96'; 15213-15'; 15245-47'

14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C"

14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - On 11/5/07 SICP = 6000#. Open csg to the pit on a 14/64" choke for 2 hours with a final FCP = 2700# and dry gas. Turn the well to gas sales for 1-1/2 hours with a final FCP = 3140# on a 16/64" choke and a final rate of 3.8 MMCFD. Had trouble with seperator and SI the well. The well will remain SI on 11/6/07 pending installation

of additional equipment.

Debris in chokes appears to be cement.

24 Hour Forecast: The well will remain SI pending installation of

additional equipment.

Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'

Perfs:

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17'

16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47'

15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C"

14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007 End:

Event Name: Contractor Name:

Rocky Mtn Well Service

Rig Release: 3 Group:

Rig Name:	ROCKY MTN WS	Rig Number:	3
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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/7/2007	06:00 - 16:00	10.00	PTST	2		TIGHT HOLE - Well was SI on 11/6/07 while surface equipment was installed and sytems cleaned out.
				-		24 Hour Forecast: Will attempt to flow test the well.
						Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
11/8/2007	06:00 - 16:00	10.00	PTST	5		Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/7/07 - SICP = 5800# & SIAP = 680#. Construction still working on surface equipment. Bled off AP to 5# and has a very minimal gas blow. Open csg to production system at 4:45 PM. Released rig crew for the day. On AM of 11/8/07 well is SI at the wellhead due to debris flowing into system. Evaluating options. 24 Hour Forecast: Evaluating Options. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44'; 16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D'

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name:

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007 End:

Contractor Name:

Rig Release:

Group:

Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/8/2007	06:00 - 16:00 06:00 - 16:00	10.00	PTST	5		15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C'' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B'' & "C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/8/07 - Rig is on standby pending installation of Parchman equipment on 11/12/07.
						Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'
11/12/2007	06:00 - 16:00	10.00	WOT	4		14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/8/07 - Rig is on standby pending installation of Parchman equipment on 11/12/07. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080'
						Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69'

Operations Summary Report

Legal Well Name:

Contractor Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007 End:

Rocky Mtn Well Service

Rig Release:

Group:

Rig Name:

Event Name:

ROCKY MTN WS

Rig Number: 3

Sub From - To Hours Code Phase **Description of Operations** Date Code 10.00 WOT 11/12/2007 06:00 - 16:00 16482-83': 16538-39' 16664-65': 16715-17' 16723-24': 16798-99': 16858-59': 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11': 15472-74': 15588-90': 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C' 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51': 13947-49': 13876-78': 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 11/13/2007 06:00 - 16:00 10.00 PTST TIGHT HOLE - On 11/13/07 SICP = 5900#. Moved in Parchman flow-back equipment over the weekend. Tied Parchman into csg valves and attempt to bleed down csg but chokes and line freezing up immediately even while injecting methanol. SI the well for the night. 24 Hour Forecast: Will install line heating equipment and attempt to produce the well. Casing size: 4-1/2" 15.1# P-110 & Q125 Casing depth: 17083' FC@ 17080' ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10': 14895-97': 14794-96': 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C"

Operations Summary Report

GB 1M-4-8-22R

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

End:

Group:

Rig Name:

Date

11/13/2007

11/14/2007

11/15/2007

06:00 - 16:00

ROCKY MTN WS

10.00 PTST

10.00 PTST

10.00 PTST

Rig Number: 3

Description of Operations

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44': 13383-85': 13311-13': 13274-76'

Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - On 11/13/07 SICP = 5900# & SIAP = 1020#. Install additional Parchman flowback equipment. Open the csg to Parchman flow back system at 11:30 AM on 11/13/07 on a 8/64" choke with a rate of 1.6 MMCFD and 5400#. At 2:00 PM FCP = 4550# on a 8/64" choke and 1.4 MMCFD rate. At 6:00 PM FCP = 3600# on a 12/64" choke at a rate of 2.3 to 2.8 MMCFD and starting to have problems with choke plugging and severe hydrates. SI the well at 7:00 PM due to line freezing. At 6:30 AM on 11/14/07 SICP = 5400#.

24 Hour Forecast: Will attempt to thaw out unit and try to produce the well again.

Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'

Perfs:

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17'

16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10': 14895-97': 14794-96': 14758-60'

14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C"

14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05'

13442-44'; 13383-85'; 13311-13'; 13274-76'

Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - At 6:00 AM on 11/14/07 SICP = 5400#. Open the csg at 10:45 AM thru Parchman flow back equipment and then via our production units to sell gas. At 2:00 PM the well was producing on a 16/64" choke at a rate of 2.7 MMCFP with 14 bbls of water per hour and FCP = 2500#. Continue to flow well overnight on various chokes and at 6:00 AM on 11/15/07 FCP = 1100# on a 18/64" choke at a rate of 1.1 MMCFD and 2-4 BPH of water with a recovery since AM of 11/14/07 of

113 bbls. System appears to be working fine.

24 Hour Forecast: Will continue to flow test the well.

Printed: 4/1/2008 9:01:16 AM

Legal Well Name:

Common Well Name: GB 1M-4-8-22R

06:00 - 16:00

06:00 - 16:00

COMPLETION

From - To Hours Code

Rocky Mtn Well Service

Sub

Code

2

Phase

Start: Rig Release:

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

Spud Date: 1/24/2007

Event Name:

From - To | Hours | Code

06:00 - 16:00

06:00 - 16:00

6/28/2007

End:

Contractor Name:

Rocky Mtn Well Service

Sub

Code

Phase

Rig Release: Rig Number: 3 Group:

Rig Name: Date

11/15/2007

11/16/2007

ROCKY MTN WS

10.00 PTST

10.00 PTST

Description of Operations

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69'

Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'

16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21';

15963'-65'; 15985-87'; 16158-60'; 16200-02'

16482-83'; 16538-39' 16664-65'; 16715-17'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60'

14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C"

14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'

Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - At 6:00AM on 11/15/07 FCP=1100# on a 18/64" choke at a rate of 1.1 MMCFD and 2-4 bbl per hour. Continue to flow test thru Parchman and into gas sales for the next 24 hours. At 6:00AM on

11/16/07 FCP=1000# on a 18/64" choke at a rate of 1 MMCFD and 4 bbl.per hour of water. Have recovered 97 bbl.of water in the last 24 hours. This AM will RDMO Parchman and continue to flow the well via

gas sales over the weekend.

Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT

16328-29'; 16382-83'; 16443-44';16468-69'

16482-83'; 16538-39' 16664-65'; 16715-17'

16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47'

15309-11': 15472-74': 15588-90': 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60'

Page 20 of 37

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

COMPLETION

Spud Date: 1/24/2007

Event Name: Contractor Name:

Rocky Mtn Well Service

From - To Hours

06:00 - 16:00

Rig Release:

End: Group:

Rig Name: Date

11/19/2007

11/20/2007

06:00 - 16:00

ROCKY MTN WS

Code

Sub

Code

Phase

Rig Number: 3

Description of Operations

11/16/2007 06:00 - 16:00 10.00 PTST 14703-05'; 14648-50'; 14617-19'; 14555-57'

10.00 PTST

10.00 PTST

ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03'

14049-51': 13947-49': 13876-78': 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - At 6:00 AM on 11/16/07 FCP=1000# on a 18/64" choke at a rate of 1 MMCFD and 4 bbl.per hour of water. Continue to flow test after rigging down and moving out Parchman. Continue to flow the well during the day and at 2:00PM On 11/16/07 FCP=835# on a 18/64" choke at a rate of 800 MCFD and 2-4 bbl.per hour of water. Continue to produce the well via gas sales over the weekend with no troubles and at 7:00AM on 11/19/07 FCP=670# at a rate of 670 MCFD with no rate on fluid and a SIAP=1400#.

Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69'

16482-83'; 16538-39' 16664-65'; 16715-17'

16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96': 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21';

15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47'

15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60'

14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C"

14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05'

13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - At 7:00 AM on 11/19/07 FCP=870# at a rate of 670 MCFD. SIAP=1400#. SI csg.and bullhead 50 bbl.of 10# brine and 30

bbl.of 2% KCL water down csg..Csg.started to pressure up to 200#. Bled off AP of 1400# to 10#. SI csg for 1 hour and SICP built to 900#. Attempt to bleed off csg.but started to flow water. Pump 5 bbl.of brine water csg.built to 1000#. SIFN. On AM of 11/20/07 SICP=3100#.

Printed: 4/1/2008 9:01:16 AM

Common Well Name: GB 1M-4-8-22R

Start:

6/28/2007

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

Rig Release:

End:

Group:

Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

Date	From - To	Hours	Code	Sub	Phase	Description of Operations
11/20/2007	06:00 - 16:00			Code 2		Attempting to bleed off csg.
			PTST	2	Tilasc	Attempting to bleed off csg. LLTR: 80 Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'
11/21/2007	06:00 - 16:00	10.00	PTST	2		ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/20/07 SICP=3100# and SIAP=100#. Bled off csg.to 1000# and started flowing back water. Bullhead 50 bbl. of 10# brine down csg.to a max.psi of 3300#; SI csg.for 90 minutes and attempt to bleed off csg.and bled down from 2300# to 2000# and started to flow back water. MIRU Cutters WL and ran a PBTD with tag at 13114'. Squeeze perfs.at 13110' and comp.BP at 13140'. RDMO Cutters WL. On AM of 11/21/07 SICP=2900#. On 11/21/07 will attempt
(to bleed off csg LLTR: 130 Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21';

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

Rig Release:

End: Group:

Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

rig Name.		KOCKI	IVI I I V V	3		rig number. 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/21/2007	06:00 - 16:00 06:00 - 16:00		PTST	2		15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/21/07 SICP = 2900#. Open csg on a 12/64" choke and flowed back gas for 2-3/4 hours and started to flow back water and gas. SI the well @ 11:00 AM on 11/21/07 and well will remain SI until AM of 11/26/07.
						Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25'
11/27/2007	06:00 - 16:00	10.00	LOG	4		ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On AM of 11/26/07 SICP = 5300# & SIAP = 560#. Bleed off csg down to 1800# on a 16/64" choke after 2-1/2 hours &

Operations Summary Report

Legal Well Name: GB 1M-4-8-22R Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

Spud Date: 1/24/2007

6/28/2007

End: Group:

Contractor Name:

Event Name:

Rocky Mtn Well Service

Rig Release:

Rig Name:		ROCKY	MTN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/27/2007	06:00 - 16:00	10.00	LOG	4		recovering gas and started to get water back. MIRU Cutters WL and RIH with CBP to 11422' & attempt to set plug and had one small kick on CCL meter and did not appear to stroke properly and did not shear off of plug. Could not go down but pulled up slowly to 11118' (plug depth) with plug hanging up on every csg collar and could not go further. Attempt to pull out of rope socket and could not with a SICP = 4200#. Turn well over to production department overnight to attempt to lower csg psi via gas sales. 24 Hour Forecast: Will attempt to free plug or tool. Csg Size: 4-1/2" 15.1# P-110 & Q-125
						Casing depth: 17083' FC@ 17080'
						Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54' ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS 'B' & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05'
11/28/2007	06:00 - 16:00	10.00	LOG	4		13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/27/07 Csg is selling via gas sales with FCP = 850# at a rate of 980 MCFD. Open to pit and bled down csg while attempting to pull out of rope socket or release stuck CBP by surging. No success. Bled off csg to 140# and pump 30 bbls of 10# brine and filled gas filled csg. Csg on a very slight vacuum. Drop Kenley Wireline Cutter and pumped an additonal 43 bbls of brine and once again filled hole. Cut off wireline and POOH with line with no Kenley Tool attached leaving an est 1000' of line in the hole along with all setting tool assembly. Well had pressured up to 550# in 1 hour of sitting while trying to bleed off gas only. RIH with gauge ring and tag @ 9935'. POOH w/ wireline gauge & RDMO Cutters WL. 24 Hour Forecast: Will attempt to kill well and RIH with fishing string on tbg. Turn well over to production units at 3:30 PM to sell overnight.

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name:

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

End: Group:

Contractor Name: Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release: Rig Number: 3

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/28/2007	06:00 - 16:00	10.00	LOG		Filase	Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15515-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D' 15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 16562-54' ZONE #4: MANCOS 'C' 14908-10'; 144895-97'; 14491-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS 'C'' 14154-56'; 14110-12'; 14101-03' 14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #5: MANCOS 'C'' 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/28/07 FCP = 540# at a rate of 960 MCFD via gas sales. SIAP = 650#. Open csg to pit and bled down to 140#. Pump 60 bls of 10# brine down csg. Make up fishing tools and RIH with a 3-58'' OS; 1-5/8" grapple;string float; bumper sub; jars; drain sub and tbg to 9802'. Circ hole with 125 bbls of 10# brine. Hole stayed dead for 1 hour when RIH. Continue in the hole and tag @ 9992'. Set down with 8M# and pull over by 3000#. Pump 10 bbls of brine water to check for increase in circulating pressure and had an additional 200#. Presume there is something in the prepaple. Pull tbg to 4995' & SIFN. Load well with 18 bbls of brine water. 24 Hour Forecast: Will attempt to POOH and review fish. Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080' Perfs: ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16648-65'; 16715-17' 16723-24'; 16798-99'; 16885-59'; 16907-08' 16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02' ZONE #3: MANCOS 'D'
1	1					

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

From - To Hours

06:00 - 16:00

06:00 - 16:00

Start:

6/28/2007

Spud Date: 1/24/2007

Phase

Sub

Code

End:

Event Name: Contractor Name:

Rocky Mtn Well Service

Code

Ria Release: Rig Number: 3 Group:

Rig Name: Date

11/29/2007

11/30/2007

12/3/2007

06:00 - 16:00

ROCKY MTN WS

10.00 FISH

10.00 FISH

10.00 WCL

Description of Operations 15048-50: 15094-96': 15213-15': 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/29/07 SICP = 2000# & SITP = 1500#. Bled off

tbg & csg with just gas. Fill hole with 12 bbls of 10# brine. Finish POOH with OS & grapple & tbg. Had no fish but indicated what appeared to be the Kinley Cutter had been up in the OS but not in the grapple. RIH with wireline spear and related fishing equipment to 8000' & land tbg w/ 30 bbls of brine water. Finish RIH & work over wireline from tag @ 10009' to 10097'. Pulling 3-4M# over string weight. Start POOH with a 1000# drag & POOH to 4000'. Load well with 8 bbls of brine and SIFN.

24 Hour Forecast: Will finish POOH & Observe fish recovery.

Csq Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'

Perfs:

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT

16328-29'; 16382-83'; 16443-44';16468-69' 16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47'

15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60'

14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C"

14154-56'; 14110-12'; 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05'

13442-44'; 13383-85'; 13311-13'; 13274-76'

Squeeze holes @ 13150' & 11550' on 11/1/07 TIGHT HOLE - On 11/30/07 SICP = 2000# & SITP = 1150#. Bled off

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Event Name: Contractor Name:

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Rig Release:

End: Group:

Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Number: 3

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Questar E & P

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name:

Hours

Rig Release:

End:

Description of Operations

Contractor Name:

From - To

06:00 - 16:00

06:00 - 16:00

Rocky Mtn Well Service

Code

Sub

Code

Phase

Rig Number: 3

Group:

Rig	Name:	
ſ	Date	

12/4/2007

12/5/2007

ROCKY MTN WS

10.00 FISH

10.00 FISH

24 Hour Forecast: Will attempt to kill well & fish with spear. Csg Size: 4-1/2" 15.1# P-110 & Q-125

Casing depth: 17083' FC@ 17080'

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29'; 16382-83'; 16443-44';16468-69' 16482-83': 16538-39' 16664-65': 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21': 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50; 15094-96'; 15213-15'; 15245-47' 15309-11'; 15472-74'; 15588-90'; 15652-54'

ZONE #4: MANCOS 'C'

14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57'

ZONE #5: MANCOS "C"

14392-94'; 14296' - 14302'; 14258-62'

ZONE #6: MANCOS 'C"

14154-56': 14110-12': 14101-03'

14049-51'; 13947-49'; 13876-78'; 13823-25'

ZONE #7: MANCOS "B" & "C"

13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76'

Squeeze holes @ 13150' & 11550' on 11/1/07

TIGHT HOLE - On AM of 12/4/07 SICP = 3900# & SITP = 2000#. Bled off the & cse to 1000# and unloading brine water and gas. Pump 135 bbls of 10# brine down the tbg to circulate while holding 175# on csg with a choke. SI 1 hour to observe PSI build and built to 650#. Attempt to bleed off gas and started unloading brine and gas on a 10/64" choke with pressure climbing to 1700# and continuing to build.

A decision has been made to delay any more fishing and to place the well on production. SIFN. On AM of 12/5/07 SICP = 4000#.

Csg Size: 4-1/2" 15.1# P-110 & Q-125 Casing depth: 17083' FC@ 17080'

ZONE #1: FRONTIER/DAKOTA/DAKOTA SILT 16328-29': 16382-83': 16443-44':16468-69'

16482-83'; 16538-39' 16664-65'; 16715-17' 16723-24'; 16798-99'; 16858-59'; 16907-08'

16994'-96'; 17026-27'.

ZONE #2: FRONTIER/MANCOS 'D'

15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'

ZONE #3: MANCOS 'D'

15048-50: 15094-96': 15213-15': 15245-47'

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release: Rig Number: 3

End: Group:

Rig Name:

Rig Name:	ŀ	ROCKY	MIN W	5		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
J	1	Hours	Code	Sub	Phase	
						16994'-96'; 17026-27'. ZONE #2: FRONTIER/MANCOS 'D' 15815-17'; 15819-21'; 15892-94'; 15919-21'; 15963'-65'; 15985-87'; 16158-60'; 16200-02'
						ZONE #4: MANCOS 'C' 14908-10'; 14895-97'; 14794-96'; 14758-60' 14703-05'; 14648-50'; 14617-19'; 14555-57' ZONE #5: MANCOS "C" 14392-94'; 14296' - 14302'; 14258-62' ZONE #6: MANCOS 'C" 14154-56'; 14110-12'; 14101-03'
						14049-51'; 13947-49'; 13876-78'; 13823-25' ZONE #7: MANCOS "B" & "C" 13692-94'; 13554-56'; 13516-18'; 13503-05' 13442-44'; 13383-85'; 13311-13'; 13274-76' Squeeze holes @ 13150' & 11550' on 11/1/07 Tbg Detail: Wireline spear: bit sub; drain sub; string float; bumper sub;

Operations Summary Report

Event Name:

Legal Well Name: GB 1M-4-8-22R Common Well Name: GB 1M-4-8-22R

Start:

6/28/2007

Spud Date: 1/24/2007

COMPLETION

Rig Release:

End:

Contractor Name:

Rocky Mtn Well Service

Group:

Rig Name:	ROCKY MTN WS	Rig Number: 3

Rig Name:	1	ROCKY	MIN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/6/2007	06:00 - 16:00	10.00	вор	1		jars; x-over sub; 8' pup; 1 jt of tbg; 1.81" "F" Nipple and 303 jts of tbg to surface. All tbg is 2-3/8" EUE 8rd 4.7# P-110. Tbg tail @ 9953'; "F" Nipple @ 9886'. Top of wireline fish est at 9992'.
2/24/2008	12:00 - 16:00	4.00	LOC	3		MI LEED WOR #717
2/25/2008	06:00 - 06:00	24.00	LOC	3		SPOT DALBO TANKS & RFR TANK. MOVE RENTAL TUBING
2/26/2008	06:00 - 06:00	24.00		3		RIG CREW OFF UNTIL WEDNESDAY
2/27/2008	07:00 - 09:00		OTH			SITP-1,400 PSI, FCP-150 PSI.
2.7.2000	07.00		•			RU PUMP & LINES.
	09:00 - 10:30	1.50	WCL	1		KILL WELL WITH 140 BBLS OF 2% KCL WATER PUMPING DOWN TBG @ 1.5 BPM 1,800 PSI.
	10:30 - 12:00	1.50	LOC	4		RI LEED WOR #717.
	12:00 - 14:45		вор	1		NU WEATHERFORD 4" 15M X 7" 10M SPOOL, DOUBLE GATE BOP DRESSED WITH 2 3/8" PIPE RAMS ON TOP & BLIND RAMS ON BOTTOM, DSA & 7" 5M ANNULAR BOP. PRESSURE TEST PIPE RAMS TO 9,000 PSI & ANNULAR TO 3,000 PSI. ALL TESTS HELD GOOD.
	14:45 - 16:45	2.00	ОТН			RU WORK FLOOR & HANDLING TOOLS. (WAS GOING TO RIH & ATTEMPT TO LATCH FISH BUT BAKER BROUGHT OUT WRONG X-OVER SUB FOR TUBING) PULL 5 STDS OF TBG, RU HEATER DRAIN PUMP & LINES. SECURE WELL SDFN.
2/28/2008	07:00 - 08:00	1.00	WCL	2		SICP-460 PSI, SITP-190 PSI. BLEED TBG & CSG DOWN SLOW. LOAD CSG WITH 5 BBLS. WELL WAS DEAD.
	08:00 - 09:30	1.50	FISH	4		THE WITH 5 STDS OF 8RD TBG. PU 7 JTS OF 2 3/8" PH-6, P-110 TBG WORKING UP & DOWN TO 10,181". SET 4,000# DOWN, TURN TBG 5 TURNS & STARTED TO TORQUE UP. PULL UP PULLING 3,000# OVER STRING WT.
	09:30 - 10:00	0.50	TRP	2		POOH WITH 13 STDS & WELL STARTED FLOWING.
	10:00 - 11:15		CIRC	1		ROLL HOLE WITH 130 BBLS OF 2% KCL WATER PUMPING DOWN TUBING 2.5 BPM @ 1,100 PSI.
	11:15 - 14:00	2 75	TRP	2		POOH WITH 142 STDS & 1 SINGLE.
	14:00 - 16:30	1	TRP	4		BREAK OUT & LD RBS FISHING TOOLS. PULL & LD 632' OF WIRELINE.
	16:30 - 18:00	1.50	TRP	2		MU & RIH WITH BHA #1 AS FOLLOWS: WL SPEAR W/DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, RN NIPPLE, 1 JT TBG, R NIPPLE & 40 STDS OF TBG. PULL 2 STDS TO EOT DEPTH OF 2,525'. SECURE WELL, DRAIN PUMP & LINES. SDFN
2/29/2008	07:00 - 07:45	0.75	WCL	2		SICP-990 PSI, SITP-0 PSI. BLEED CSG DOWN TO 0 PSI. WELL DEAD.
	07:45 - 11:15	3.50	TRP	2		TALLY TBG GOING IN HOLE. RIH WITH 60 STDS & WELL STARTED TO FLOW. RU TO FLOW INTO RFR TANK. RIH REMAINING 50 STDS & PU 17 JTS OFF OF RACK.
	11:15 - 12:30	1.25	FISH	5		TAG FISH TOP @ 10,626'. PUT 5 TURNS IN TBG & PULL UP. HAD NO INCFREASE IN WT. WORK PIPE DOWN TO 10,657' & ROTATE TBG. HAD AN INCREASE IN TORQUE. PULL UP ON TBG & HAD 2,000# OVER PULL. LD 1 JT TBG.
	12:30 - 13:45	1.25	WCL	1		KILL WELL WITH 170 BBLS OF 2% KCL WATER PUMPING DOWN TBG 3 BPM @ 1,700 PSI.
	13:45 - 17:45	4.00	TRP	2		POOH WITH 163 STDS, 1 SINGLE & BHA. RECOVERED 85' OF WIRE. SECURE WELL, DRAIN PUMP & LINES. SDFN.
3/1/2008	07:00 - 07:45	0.75	WCL	2		SICP-920 PSI
						Diotod: 4/1/2009 C:01:16 AM

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R Event Name:

COMPLETION Start: 6/28/2007

Spud Date: 1/24/2007

End: Group:

Contractor Name: Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release: Rig Number: 3

Rig Name:	ŀ	ROCKY	MIN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/1/2008	07:00 - 07:45 07:45 - 10:40	1	WCL TRP	2 2		BLEED CSG DOWN TO 0 PSI. WELL DEAD. MU & RIH WITH BHA #2 AS FOLLOWS: WL SPEAR W/DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 63 STDS OF TBG & WELL STARTED TO FLOW. FLOW INTO RFR TANK. RIH REMAINING 100 STDS & PU 17 JTS OFF OF RACK.
	10:40 - 11:20	0.67	FISH	5		TAG FISH TOP @ 10,655'. WORK PIPE DOWN TO 10,657' & ROTATE TBG. HAD AN INCREASE IN TORQUE. PULL UP ON TBG 8,000# OVER. LD 2 JTS TBG DRAGING 6,000# OVER STRING WT
	11:20 - 12:30	1.17	WCL	1		KILL WELL WITH 170 BBLS OF 2% KCL WATER PUMPING DOWN TBG 3 BPM @ 1,700 PSI.
	12:30 - 18:00	5.50	TRP	2		POOH WITH 163 STDS & BHA. RECOVERED 15' OF WIRE. RIH WITH BHA #3 AS FOLLOWS: WL SPEAR W/DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 63 STDS OF TBG TO EOT DEPTH OF 4,138'. SECURE WELL, DRAIN PUMP & LINES. SDFN.
3/2/2008	07:00 - 07:45	0.75	WCL	2		SICP-1,640 PSI BLEED CSG DOWN TO 100 PSI.
	07:45 - 10:15	2.50	TRP	2		RIH WITH REMAINING 98 STDS. TAG FISH TOP @ 10,442'
	10:15 - 11:25	1.17	WCL	1		KILL WELL WITH 170 BBLS OF 2% KCL WATER PUMPING DOWN TBG 3 BPM @ 1,700 PSI.
	11:25 - 11:45	0.33	FISH	5		TAG FISH TOP @ 10,442'. (10' OUT ON JT #321) SET 20,000# DOWN PU TO NEUTRAL & ROTATE TBG 4 TURNS. HAD AN INCREASE IN TORQUE. PULL UP ON TBG 5,000# OVER & FISH STARTED MOVING
	11:45 - 18:00	6.25	TRP	2		POOH WITH 161 STDS & BHA. RECOVERED 13' OF WIRE. RIH WITH BHA #4 AS FOLLOWS: WL SPEAR W/DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 132 STDS OF TBG TO EOT DEPTH OF 8,625'. TURN WELL TO SALES. DRAIN PUMP & LINES. SDFN.
3/3/2008	07:00 - 08:55	1.92	TRP	2		FCP-340 PSI, SITP-0 PSI RIH WITH 21 STDS. TAG FISH TOP @ 9,967'. (12' IN ON JT # 306)
	08:55 - 10:20	1.42	WCL	1		KILL WELL WITH 225 BBLS OF 2% KCL WATER PUMPING DOWN TBG 3 BPM @ 1,700 PSI.
	10:20 - 10:45	0.42	FISH	5		TAG FISH TOP @ 9,967'. SET 3,000# DOWN PU TO NEUTRAL & ROTATE TBG 3 TURNS. HAD AN INCREASE IN TORQUE. PULL UP ON TBG 6,000# OVER & FISH STARTED MOVING
	10:45 - 18:00	7.25	TRP	2		POOH WITH 153 STDS & BHA. RECOVERED 49' OF WIRE & KENLEY CUTTER. RIH WITH BHA #5 AS FOLLOWS: WL SPEAR W/DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 162 STDS & 3 SINGLES OFF RACK TO EOT DEPTH OF 10,667". DID NOT TAG FISH. TURN WELL TO SALES. DRAIN PUMP & LINES. SDFN.
3/4/2008	07:00 - 07:50	0.83	TRP	2		FCP-530 PSI, SITP-0 PSI (SEPERATOR WAS PLUGED OFF & QUIT FLOWING) BLEED WELL DOWN TO 100 PSI. PU 1 JT OFF RACK & TAG FISH TOP @ 10,671'. (4' IN ON JT # 329)
	07:50 - 09:25	1.58	WCL	1		KILL WELL WITH 225 BBLS OF 2% KCL WATER PUMPING DOWN TBG 3 BPM @ 1,700 PSI.
	09:25 - 10:05	0.67	FISH	5		TAG FISH TOP @ 10,671'. SET 6,000# DOWN PU TO NEUTRAL & ROTATE TBG 3 TURNS. HAD AN INCREASE IN TORQUE. PULL UP ON TBG 4,000# OVER & FISH STARTED MOVING. ANNULAS STARTED TO FLOW

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007 End:

Event Name: Contractor Name:

Rig Release:

Group:

Rig Name

Rocky Mtn Well Service ROCKY MTN WS

3/4/2008 10 10 14 16 3/5/2008 07	From - To 0:05 - 10:40 0:40 - 14:30 4:30 - 16:35 0:35 - 17:15 7:00 - 08:15	3.83 2.08 0.67	Code WCL TRP	Sub Code 1 2	Phase	Description of Operations CIRCULATE WELL WITH 95 BBLS.
10 14 16 3/5/2008 07	0:40 - 14:30 4:30 - 16:35 6:35 - 17:15	3.83 2.08 0.67	TRP			
3/5/2008 16	3:35 - 17:15	0.67	WCI			POOH WITH 164 STDS & BHA. RECOVERED 87' OF WIRE. (CSG STARTED TO FLOW WITH 20 STDS OF TBG IN HOLE. WAS ABLE TO FINISH TRIP)
	7:00 - 08:15	1 25	OTH	2		OPEN WELL TO RIG TANK & FLOW BACK 155 BBLS OF WATER TURN WELL TO SALES FOR NIGHT. DRAIN PUMP & LINES. SDFN
08		1.25	WCL	1		FCP-200 PSI, BULLHEAD WELL WITH 125 BBLS OF 2% KCL WATER PUMPING 5 BPM @ 375 PSI.
	3:15 - 12:20	4.08	TRP	2		RIH WITH BHA #6 AS FOLLOWS: WL SPEAR W/DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 164 STDS & 62 SINGLES OFF RACK. TAG FISH TOP @ 12,615'.
12	2:20 - 13:50	1.50	WCL	1		CIRCULAT 270 BBLS PUMPING CONVENTIONAL @ 3 BPM 1,800 PSI.
13	3:50 - 14:20	0.50	FISH	5		TAG FISH TOP @ 12,615'. SET 10,000# DOWN PU TO NEUTRAL & ROTATE TBG 3 1/2 TURNS & GOT 3/4 TURNS BACK. HAD NO OVER PULL.
14	4:20 - 19:00	4.67	TRP	2		POOH WITH 196 STDS TBG & BHA. DID NOT RECOVER ANY WIRE. CHANGE OUT BHA. MU & RIH WITH BHA #7 AS FOLLOWS: 3.701" OVERSHOT DRESSED WITH 1 7/16" BASKET GRAPPLE, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 50 STDS TO EOT DEPTH OF 3,325'. SECURE WELL, DRAIN PUMP & LINES. SDFN.
3/6/2008 07	7:00 - 07:30	0.50	WCL	1		SICP-750 PSI, BLEED WELL DOWN TO 0 PSI.
	7:30 - 10:15		TRP	2		RIH WITH REMAINING 146 STDS OF TBG TAG FISH TOP @ 12,615'.
	0:15 - 10:45 0:45 - 12:25		FISH	1		ATTEMPT TO LATCH FISH. SET DOWN ON FISH SEVERAL TIMES & PU OFF FISH WITH NO OVER PULL. SET DOWN & ROTATE. DOES NOT LOOK LIKE OVERSHOT IS GOING OVER ROPE SOCKET. CIRCULATE 270 BBLS PUMPING CONVENTIONAL @ 3 BPM 1,800
						PSI.
12	2:25 - 18:00	5.58	TRP	2		POOH WITH 196 STDS OF TBG & BHA. RECOVERED 1' OF WIRE STUCK IN OVERSHOT. CHANGE OUT FISHING TOOLS. MU & RIH WITH BHA #8 AS FOLLOWS: 2 FINGER WIRE GRAB, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 102 STDS TO EOT DEPTH OF 6,678'. SECURE WELL, DRAIN PUMP & LINES. SDF
	7:00 - 07:30		WCL	1		SICP-1,500 PSI, SITP-0 PSI. BLEED WELL DOWN TO 100 PSI.
	7:30 - 09:10 9:10 - 09:40		TRP FISH	5		RIH WITH REMAINING 94 STDS OF TBG TAG FISH TOP @ 12,615'. ATTEMPT TO LATCH FISH. SET DOWN ON FISH SEVERAL TIMES & PU OFF FISH WITH NO OVER PULL . SET DOWN & ROTATE. WAS PICKING UP TORQUE BUT HAD NO OVER PULL. TAP DOWN ON FISH SEVERAL TIMES & ROTATE STILL NO OVER PULL
09	9:40 - 11:15	1.58	WCL	1		CIRCULATE 270 BBLS PUMPING CONVENTIONAL @ 3 BPM 2,200 PSI.
11	1:15 - 15:45	4.50	TRP	2		POOH WITH 196 STDS OF TBG & BHA. DID NOT RECOVER ANYTHING. THE BOTTOM OF THE WIRE GRAB HAD JAGGED MARKS ON THE VERY BOTTOM AND NO MARKS ON THE INSIDE TO INDICATE WE WERE OVER THE ROPE SOCKET. FLOW WELL TO RIG TANK.
15	5:45 - 06:00	14.25	PTST	2		TURN WELL TO SALES THRU PRODUCTION UNIT. SDFWE

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name: COMPLETION

Start:

End: Group:

Rocky Mtn Well Service

Rig Release:

Rig Name:		ROCKY	MTN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/8/2008	06:00 - 06:00	24.00	WCL	1		RIG CREW OFF UNTIL MONDAY
3/9/2008	06:00 - 06:00	l	WCL	1		RIG CREW OFF UNTIL MONDAY
3/10/2008	07:00 - 07:45	0.75	WCL	1		FCP-200 PSI
	07:45 44:00	2 50	TDD			LOAD WELL WITH 85 BBLS OF 2% KCL WATER.
	07:45 - 11:20	3.58	TRP	2		MU & RIH WITH BHA #9 AS FOLLOWS: 3 5/8" MILL SHOE WITH INSIDE BARBS, TOP SUB, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 195 STDS
	11:20 - 12:50		SEQ	1		RU POWER SWIVEL.
	12:50 - 14:30	1.67	FISH	1		LOAD HOLE & BEGIN MILLING. TAG FISH TOP @ 12,612' MILL TO 12,616'. STOPPED MAKING HOLE & HAD NO TORQUE. CIRCULATE CLEAN.
	14:30 - 15:15	0.75	SEQ	1		HANG SWIVEL BACK IN DERRICK.
2/44/2002	15:15 - 19:15		TRP	2		POOH WITH 195 STDS, 2 SINGLES & BHA. RECOVERED 10' OF WIRE STUFFED UP INSIDE OF SHOE. SECURE WELL SDFN. SICP-0 PSI
3/11/2008	07:00 - 10:30	3.30	INF	2		MU & RIH WITH BHA #10 AS FOLLOWS: 3 5/8" MILL SHOE WITH INSIDE BARBS, TOP SUB, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 196 STDS
	10:30 - 11:00	0.50	SEQ	1		RU POWER SWIVEL.
	11:00 - 12:30	1.50	FISH	1		LOAD HOLE & BEGIN MILLING. TAG FISH TOP @ 12,615' MILL TO 12,617'. STOPPED MAKING HOLE. SET DOWN ON FISH & CIRCULATE CLEAN.
	12:30 - 13:00 13:00 - 18:00		SEQ TRP	1 2		HANG SWIVEL BACK IN DERRICK. POOH WITH 196 STDS & BHA. DID NOT RECOVER ANY WIRE. THE SHOE HAD MARKS ON BOTTOM 3/4" INSIDE OF SHOE. NO OTHER MARKS. MU & RIH WITH BHA #11 AS FOLLOWS: 3 5/8" OS DRESSED WITH 1 7/16" BASKET GRAPPLE, TOP SUB, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 60 STDS TO EOT DEPTH OF 3,979'.
3/12/2008	07:00 - 07:30	0.50	WCL	2		DRAIN PUMP & LINES, SECURE WELL SDFN. SICP-1000 PSI BLEED WELL DOWN TO 100 PSI.
	07:30 - 10:15	2.75	TRP	2		RIH WITH REMAINING 136 STDS OF TBG.
	10:15 - 11:00	0.75	FISH	5		TAG FISH TOP @ 12,615'. LATCH FISH (HAD TO HIT DOWN TO LATCH FISH) PULL UP 10M OVER STRING WT & WORK UP TO 20,000# OVER. HIT JARS @ 20,000# OVER & STARTED MOVING FREE. SET DOWN ON FISH & RU TO KILL WELL.
	11:00 - 12:40	1.67	WCL	1		CIRCULATE 270 BBLS OF 2% PUMPING CONVENTIONAL 3 BPM 2,500 PSI.
	12:40 - 17:00	4.33	TRP	2		POOH WITH 196 STDS & BHA. DID NOT RECOVER FISH. BAKER IS BUILDING A SHOE TONIGHT & WILL RUN IN THE MORNING. DRAIN PUMP & LINES, SECURE WELL SDFN.
3/13/2008	07:00 - 07:30	0.50	WCL	2		SICP-900 PSI BLEED WELL DOWN TO 0 PSI.
	07:30 - 11:00		TRP	2		MU & RIH WITH BHA #12 AS FOLLOWS: 3 5/8" MILL SHOE WITH INSIDE BARBS, TOP SUB, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 196 STDS
	11:00 - 11:35		SEQ	1		RU POWER SWIVEL BREAK CIRCULATION PUMPING CONVENTIONAL. TAG FISH TOP
	11:35 - 13:10	1.58	FISH	5		@ 12,615'. ROTATE OVER FISH 3 1/2'. STARTED TO GAIN TORQUE.

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name: COMPLETION Rocky Mtn Well Service

Rig Release:

End:

Group:

Rig Name:

ROCKY MTN WS

Rig Number: 3

Rig Name.	1	NOCK I	1VI 1 1 V V		1	Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/13/2008	11:35 - 13:10	1.58	FISH	5		PULL 5,000# OVER STRING WT. SET DOWN ON FISH & CIRCULATE
						CLEAN. PULLED 7,000# OVER & HIT JARS.
	13:10 - 13:35		SEQ	1		HANG SWIVEL BACK IN DERRICK.
	13:35 - 18:30	4.92	TRP	2	1	POOH WITH 196 STDS & BHA. RECOVERED 1 1/2' OF WIRE.
						COULD NOT SEE ANY DEFINITIVE MARKS ON SHOE. MU & RIH
			ł			WITH BHA #13 AS FOLLOWS: 3 5/8" MILL SHOE WITH INSIDE
						BARBS, TOP SUB, DRAIN SUB, DOUBLE FLAPPER VALVE, 2 7/8"
						LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 58
			ł		1	STDS TO EOT DEPTH OF 3.815'. DRAIN PUMP & LINES, SECURE
						WELL SDFN.
3/14/2008	07:00 - 07:25	0.42	WCL	2		SICP-1250 PSI
3/14/2000	07.00 - 07.25	0.72	WOL	-		BLEED WELL DOWN TO 100 PSI.
	07:25 - 10:00	2 58	TRP	2		FINISH RIH WITH 138 STDS OF TBG. TAG FISH TOP @ 12,618'.
	10:00 - 10:20		SEQ	1	i	RU POWER SWIVEL
			FISH	5		BREAK CIRCULATION PUMPING CONVENTIONAL. MILL FROM
	10:20 - 12:15	1.92	гюп	5		
						12,618' TO 12,620'. STRING PULLED 8K OVER. SET DOWN &
	10.15 10.10	0.40	0=0			CIRCULATE CLEAN.
	12:15 - 12:40	1	SEQ	1		HANG SWIVEL BACK IN DERRICK.
	12:40 - 16:30	3.83	TRP	2		POOH WITH 196 STDS & BHA. DID NOT HAVE ANY WIRE & COULD
						NOT SEE ANY DEFINITIVE MARKS ON SHOE. WELL IS FLOWING.
						FLOW INTO FLOWBACK TANK WITH WATER THEN TURN WELL TO
						SALES THRU PRODUCTION EQUIPMENT.
	16:30 - 19:00	2.50	WCL	2		FLOW INTO FLOWBACK TANK WITH WATER THEN TURN WELL TO
						SALES THRU PRODUCTION EQUIPMENT.
3/15/2008	07:00 - 07:25	0.42	WCL	2		FCP-250 PSI
						KILL WELL WITH 110 BBLS OF 2% KCL WATER.
	07:25 - 10:50	3.42	TRP	2		MU & RIH WITH BHA #14 AS FOLLOWS: 3 5/8" OS DRESSED WITH 1
						7/16" BASKET GRAPPLE, TOP SUB, DRAIN SUB, DOUBLE FLAPPER
]					VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R
				İ		NIPPLE & 196 STDS
	10:50 - 12:15	1.42	FISH	5	İ	ATTEMPT TO LATCH FISH SEVERAL TIMES. HIT DOWN WITH
						BUMPER SUB & TURN TUBING. COULD NOT GET A BITE WITH
				İ		GRAPPLE.
	12:15 - 13:45	1.50	WCL	1	ļ	CIRCULATE WELL WITH 270 BBLS OF 2% KCL WATER @ 3 BPM
					1	2,500 PSI.
	13:45 - 16:30	2.75	TRP	2		POOH WITH 196 STDS & BHA. RECOVERED 6" OF WIRE STUFFED
						UP INSIDE OF OVERSHOT. MU & RIH WITH BHA #15 AS FOLLOWS:
						3 5/8" MILL SHOE DRESSED WITH 1 11/16" TAPERED ID & FLAT
						BOTTOM 1' UP, TOP SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2
						7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 60 STDS TO
						EOT DEPTH OF 3,976'. SECURE WELL SDFN.
3/16/2008	07:00 - 07:20	0.33	WCL	2		SICP-550 PSI
			1			BLEED WELL DOWN TO 100 PSI.
	07:20 - 09:50	2.50	TRP	2		FINISH RIH WITH 136 STDS OF TBG.
	09:50 - 10:20		SEQ	1		RU POWER SWIVEL
	10:20 - 13:00	2.67	FISH	5		TAG FISH TOP @ 12,632' (FISH MOVED DOWN HOLE 14') MILL
						OVER FISH FROM 12,632' TO 12,634'. MILLED IN SAME SPOT FOR
						1 HR WITH NO TORQUE & NOT MAKING HOLE. HAD WIRE LINE,
						PLASTIC WIRE INSULATOR, METAL SHAVINGS & COPPER
						COLORED SHAVINGS IN RETURNS. PUMP FINAL GEL SWEEP &
				1		CIRCULATE CLEAN.
	13:00 - 13:35	0.58	SEQ	1		HANG SWIVEL BACK IN DERRICK.
	13:35 - 16:30		TRP	2		POOH WITH 196 STDS & BHA. RECOVERED 4" OF WIRE BALLED
1		1	1	1	1	

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name: COMPLETION

End: Group:

Rig Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release: Rig Number: 3

Rig Name:		ROCKY	IVITIN VV			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/16/2008	13:35 - 16:30	2.92	TRP	2		UP INSIDE OF SHOE. THERE WAS MARKS ON THE BOTTOM PART OF THE THE TAPERED SHOE, MARKS ON THE 1 3/4" ID & MARKS ON THE FLAT BOTTOM MILL 1"UP. MU & RIH WITH BHA #16 AS FOLLOWS: 3 5/8" OS DRESSED WITH 1 7/16" BASKET GRAPPLE, TOP SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 60 STDS TO EOT DEPTH OF 3,975'. SECURE WELL SDFN.
3/17/2008	07:00 - 07:20	0.33	WCL	2		SICP-550 PSI BLEED WELL DOWN TO 100 PSI.
	07:20 - 09:40	2.33	TRP	2		FINISH RIH WITH 136 STDS OF TBG.
	09:40 - 10:05	0.42	SEQ	1		RU POWER SWIVEL
	10:05 - 12:20	2.25	FISH	5		BREAK CIRCULATION PUMPING CONVENTIONAL @ 2 BPM 1,800 PSI. TAG FISH TOP @ 12,634' (PUMP PRESSURES UP WHEN GOING OVER FISH) LATCH FISH & PULL 5K OVER WORK UP TO 15K OVER & HIT JARS TWICE. FISH SLIPPED OFF. COULD GET A BITE ON FISH BUT GRAPPLE KEPT SLIPPING OFF @ 7-10K OVER. CIRCULATE CLEAN
	12:20 - 12:45		SEQ	1		HANG SWIVEL BACK IN DERRICK.
	12:45 - 16:30 16:30 - 19:30		TRP	2		POOH WITH 196 STDS & BHA. RECOVERED 5" OF ROPE SOCKET (THE ROPE SOCKET CAME APART ON A CONNECTION) OPEN WELL TO RIG TANK & FLOW WATER BACK. SET SWIVEL IN
						CRADLE & PREPARE TO SWAP OUT SWIVELS. TURN WELL TO SALES THRU PRODUCTION UNIT. SDFN.
3/18/2008	07:00 - 07:30		WCL	2		FCP-300 PSI BULLHEAD & KILL WELL WITH 120 BBLS OF 2% KCL WATER
	07:30 - 11:05	3.58	TRP	2		MU & RIH WITH BHA #17 AS FOLLOWS: 3 5/8" OS DRESSED WITH 1 7/16" BASKET GRAPPLE, TOP SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 60 STDS
	11:05 - 11:45 11:45 - 18:30		SEQ FISH	5		RU POWER SWIVEL BREAK CIRCULATION PUMPING CONVENTIONAL @ 2 BPM 1,800 PSI. TAG FISH TOP @ 12,634' & LATCH FISH. JAR FROM 15K TO 30K OVER & PULL UP TO 40K OVER (HANG SWIVEL BACK & STRING RIG UP ON A SINGLE LINE) JAR ON FISH FOR 4 1/2 HRS. DID NOT SEE ANY MOVEMENT. PULL UP TO 40K OVER & SECURE WELL. SDFN
3/19/2008	07:00 - 07:20	0.33	WCL	2		SICP-700 PSI BLEED WELL DOWN TO 0 PSI
	07:20 - 08:00	0.67	FISH	3		JAR ON FISH @ 30K OVER FOR 40 MIN. FISH CAME FREE PULLING SMOOTH.
	08:00 - 10:35	2.58	WCL	1		KILL WELL PUMPING CONVENTIONAL @ 3 BPM 2,500 PSI 270 BBLS OF KCL WATER. SHUT DOWN PUMP & WELL DID NOT DIE. PUMP ANOTHER 110 BBLS. (STRING RIG UP ON A DOUBLE LINE WHILE CIRCULATRING)
	10:35 - 17:00		TRP	2		START OUT OF HOLE & WELL STARTED TO FLOW. STRIP OUT ON BAG. KILL WELL WITH 17 STDS LEFT IN HOLE. FINISH POOH WITH 17 STDS & BHA. LD CUTTERS SINKER BARS. WAS MISSING THE BAKER #10 SETTING TOOL & SLEEVE. FLOW WATER BACK TO RIG TANK & THEN TURN TO SALES THRU PRODUCTION UNIT. SDFN.
3/20/2008	07:00 - 07:45 07:45 - 11:25		WCL	2		FCP-350 PSI BULLHEAD & KILL WELL WITH 120 BBLS OF 2% KCL WATER. MU & RIH WITH BHA #18 AS FOLLOWS: 3.701" 4 BLADE JUNK MILL,
	07.40 - 11:25	3.07	IKP	_		MIG G THE WITTE BY A TO A OT OLLOWS. S. 701 4 BEADE SOME WILL,

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

6/28/2007

Spud Date: 1/24/2007

Event Name:

Start:

End: Group:

Contractor Name:

Rocky Mtn Well Service ROCKY MTN WS

Rig Release: Rig Number: 3

rdig mame.	Rig	Name:	
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Rig Name:	Г	ROCKY	IVI I IV VV	5		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/20/2008	07:45 - 11:25	3.67	TRP	2		BIT SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 196 STDS. TAG FISH TOP @ 12.648'.
	11:25 - 11:50	0.42	SEQ	1		RU POWER SWIVEL.
	11:50 - 18:00	6.17	FISH	1		BREAK CIRCULATION PUMPING CONVENTIONAL @ 2 1/2 BPM 1,200 PSI. MILL FROM 12,648' TO 12,649.30'. PUMP FINAL GEL SWEEP & CIRCULATE CLEAN. PULL UP 30' & SECURE WELL. SDFN.
3/21/2008	07:00 - 11:30	4.50	FISH	1		SICP-2050 PSI BREAK CIRCULATION PUMPING CONVENTIONAL @ 2 1/2 BPM 2,000 PSI. (BRIN WELL PRESSURE DOWN TO 400 PSI). MILL FOR 3 HRS @ 12,649.30'. DID NOT MAKE ANY HOLE. CIRCULATE WELL CLEAN.
	11:30 - 11:55	0.42	SEQ	1		HANG BACK SWIVEL IN DERRICK.
	11:55 - 16:45		TRP	2		WELL DID NOT DIE & WAS FLOWING FLUID @ 10 PSI. STRIP OUT OF HOLE ON BAG. WITH 20 STDS IN HOLE BULLHEAD 110 BBLS & KILL WELL. FINISH POOH & LD BHA. MILL WAS WORE OUT.
	16:45 - 18:00		WCL	2		FLOW FLUID BACK TO RIG TANK & THEN TURN TO SALES THRU PRODUCTION UNIT. SDFN.
3/22/2008	07:00 - 09:50		LOG	4		FCP-250 PSI MIRU OWP ELU.
	09:50 - 10:30	l	CIRC	3		LOAD HOLE WITH 150 BBLS OF 2% KCL WATER.
	10:30 - 12:30		LOG	4		RIH WITH CEMENT BAILER & DUMP 10' OF CEMENT ON TOP OF FISH @ 12,649'. POOH RDMO OWP ELU
	12:30 - 15:00		ОТН			CLEAR OFF WORK FLOOR & FOLD UP. ND ANNULAR BOP, NU NEW ANNULAR & FUNCTION TEST. FOLD FLOOR DOWN & RU HANDLING TOOLS. SECURE WELL SDFWE
3/23/2008	06:00 - 06:00	24.00		4		RIG CREW OFF UNTIL TUESDAY
3/24/2008	06:00 - 06:00	24.00		4		RIG CREW OFF UNTIL TUESDAY
3/25/2008	07:00 - 10:40	3.67	WCL	2		SICP-4,800 PSI BLEED WELL DOWN THRU PRODUCTION UNIT TO 150 PSI. BULLHEAD 120 BBLS INTO WELL.
	10:40 - 14:15		TRP	2		MU & RIH WITH BHA #19 AS FOLLOWS: 3.701" 5 BLADE JUNK MILL, BIT SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2 7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 196 STDS. TAG FISH TOP @ 12,649.30'.
	14:15 - 14:40	0.42	SEQ	1		RU POWER SWIVEL
	14:40 - 18:30	3.83	FISH	1		BREAK CIRCULATION PUMPING 2 1/2 BPM @ 1,500 PSI. MILL FROM 12,649' TO 12,832'. PUMP FINAL SWEEP & CIRCULATE CLEAN. PULL UP 30' & SECURE WELL. SDFN.
3/26/2008	07:00 - 15:40	8.67	FISH	1		SICP-2,500 PSI OPEN WELL TO RIG TANK. BREAK CIRCULATION PUMPING 2 1/2 BPM @ 1,500 PSI. PUSH FISH FROM 12,832' TO 12,935' & FISH STOPPED MOVING. MILL FOR 6 1/2 HRS FROM 12,935' TO 12,939'. PUMP FINAL GEL SWEEP & CIRCULATE CLEAN.
	15:40 - 16:05	0.42	SEQ	1		HANG SWIVEL BACK IN DERRICK.
i	16:05 - 19:00		TRP	2		POOH WITH 147 STDS OF TBG TO EOT DEPTH OF 3,585'. (109 JTS & BHA IN HOLE) TURN WELL TO SALES THRU PRODUCTION UNIT. SDFN.
3/27/2008	07:00 - 08:05	1.08	TRP	2		SICP-2,500 PSI FINISH POOH WITH 54 STDS & BHA. KILL WELL WITH 90 BBLS OF 2% KCL WATER. MILL WAS ABOUT HALF WAY WORN OUT & LOOKED LIKE IT COULD HAVE BEEN SPINNING.

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

COMPLETION

Start:

6/28/2007

Spud Date: 1/24/2007 End:

Event Name:

C		COMPLE		o ·		Start. 0/20/2007 End.
Contractor		Rocky M			;	Rig Release: Group:
Rig Name:	;	ROCKY	MTN W	S		Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/27/2008	08:05 - 10:45	2.67	LOG	4		MIRU CUTTERS ELU. (FLOW WELL BACK WHILE RIGGING UP)
	10:45 - 11:30	0.75	WCL	1		BULLHEAD & KILL WELL WITH 145 BBLS OF 2% KCL WATER.
	11:30 - 14:00	2.50	LOG	4		RIH WITH CEMENT BAILER TO 12,939' & DUMP 10' OF CEMENT ON
						TOP OF FISH. POOH RDMO CUTTERS ELU. SECURE WELL SDFN.
3/28/2008	07:00 - 09:00	2.00	WCL	1		SICP-2,750 PSI
						BLEED WELL DOWN TO 0 PSI & UNLOAD FLUID. BULLHEAD & KILL
	09:00 - 12:45	3.75	TRP	2		WELL WITH 100 BBLS OF 2% KCL WATER. MU & RIH WITH BHA #20 AS FOLLOWS: 3.701" 4 BLADE JUNK MILL,
	09.00 - 12.43	3.73	IIN			STABALIZER, BIT SUB, DOUBLE FLAPPER VALVE, 2 7/8" LBS, 2
						7/8" HYD JAR, XO SUB, PUP JT, 1 JT TBG, R NIPPLE & 200 STDS.
	1					TAG FISH TOP @ 12,935'.
	12:45 - 13:15		SEQ	1		RU POWER SWIVEL.
ĺ	13:15 - 18:30	5.25	FISH	1		BREAK CIRCULATION PUMPING 2 1/2 BPM @ 1,900 PSI. MILL
						12,935' TO 12,943' & FISH STARTED TO MOVE. PUSH FISH DOWN
						TO 13,049' & TOOK 3,000# PRESSURE INCREASE. CIRCULATE CLEAN & TRY TO BRING PRESSURE DOWN. WORK 4 JTS OUT OF
						HOLE TO 12,927'. (CAN GO UP BUT CAN'T GO DOWN) SECURE
						WELL SDFN. SHUT WELL IN WITH 4,500 PSI.
3/29/2008	07:00 - 18:30	11.50	WCL	1		SICP-6,000 PSI
						SURFACE CSG-1,500 PSI
						RU QEP SAND TRAP. MIRU IPS COMBO PUMP. OPEN WELL TO
						PRODUCTION UNIT & BREAK CIRCULATION @ 3/4 BPM 3,600 PSI.
						PUMP FOR 5 MIN & PRODUCTION UNIT PLUGGED OFF. FIX SURFACE LEAKS & UNPLUG SEPERATOR. START PUMPING
						AGAIN & SEPERATOR WAS STILL PLUGGED. SHUT DOWN PUMP.
						(CALL FOR HOT OILER PUMP TO CLEAN SEPERATOR &
						PARCHMAN FOR FLOWBACK IRON.) DIG FLARE PIT WHILE
			1			WAITING ON IRON. WHEN IRON ARRIVED RU MANIFOLD & LAY
						LINE TO FLARE PIT. BREAK CIRCULATION PUMPING 1 1/2 BPM @
						3,900 PSI. PUMP 180 BBLS OF 2% KCL WATER. PRESSURE
	10.00.00.00	4.50	OTL			DECREASED TO 2,000 PSI. SHUT PUMP DOWN.
	18:30 - 20:00	1.50	отн			EQUALIZE & OPEN RAMS, MOVE PIPE UP & DOWN & ROTATE. HANG SWIVEL BACK IN DERRICK, LAND TBG ON PIPE RAMS &
						PREPARE TO RU SNUBBERS. SECURE WELL SDFN.
3/30/2008	07:00 - 10:30	3.50	LOC	4		SICP-6,000 PSI
0.00,200				1	İ	SURFACE CSG-1,500 PSI
			1			RD HANDLING TOOLS & WORK FLOOR. SET SWIVEL BACK IN
						RACK, MIRU MOUNTAIN STATES SNUB UNIT.
	10:30 - 14:00	3.50	ОТН			THE WEATHERFORD GATE VALVES ON BOP & THE CASING VALVES ON WELL HEAD WOULD NOT OPEN. CHANGE OUT 2
1						WEATHERFORD VALVES & REPAIR CASING VALVES.
	14:00 - 16:00	2.00	CIRC	1		RU IPS COMBO PUMP & CIRCULATE 200 BBLS OF 2% KCL WATER
}	155	2.30				@ 2.6 BPM 4,900 PSI. (CSG PRESSURE DROPPED TO 2,300 PSI)
	16:00 - 17:00	1.00	TRP	5		PU 14 JTS OF TBG TO EOT DEPTH OF 13,340' (BOTTOM PLUG
1						WAS SET @ 13,260' & WAS MISSING) LD 2 JTS TBG TO 13,280'.
	17:00 - 18:45	1.75	CIRC	1		RU IPS COMBO PUMP & CIRCULATE 200 BBLS OF 2% KCL WATER
	10.45 10.00	0.75	TDE	_		@ 2.6 BPM 4,900 PSI. BULLHEAD 20 BBLS INTO FORMATION.
	18:45 - 19:30	0.75	TRP	5		LD 3 JTS OF TBG TO EOT DEPTH OF 13,187' (410 JTS IN HOLE) SECURE WELL SDFN.
3/31/2008	07:00 - 18:30	11 50	LOC	4		SICP-3,700 PSI
3/3 //2006	07.00 - 10.30	11.50				SURFACE CSG-1,500 PSI
						EQUALIZE STACK & THE RAMS, BAG & BLEED OFF STARTED TO
						LEAK. REPAIR ALL LEAKS. POOH WITH 7 STDS & BLEW OUT #1
		İ				
L					J	

Page 37 of 37

Operations Summary Report

Legal Well Name:

GB 1M-4-8-22R

Common Well Name: GB 1M-4-8-22R

Start:

6/28/2007

Spud Date: 1/24/2007

Event Name: Contractor Name:

COMPLETION Rocky Mtn Well Service

Rig Release:

End: Group:

Rig Name:		ROCKY				Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/31/2008	07:00 - 18:30	11.50	LOC	4		RAMS. CHANGE OUT #1,2 & 3 RAMS. EQUALIZE STACK & STRIP OUT OF HOLE ON BOTH BAGS. LOWER BAG STARTED TO LEAK. PULL OUT RAM TO BAG & #4 RAMS STARTED LEAKING. CHANGE OUT #4 RAMS. EQUALIZE STACK & #1 STARTED TO LEAK. CHANGE OUT #1 RAMS. SECURE WELL EOT @ 6,710' WITH 205 JTS IN HOLE. SDFN. WILL CHANGE OUT BOTH BAGS THIS MORNING.

Form 3160-5 (June 1990)

Conditions of approval, if any

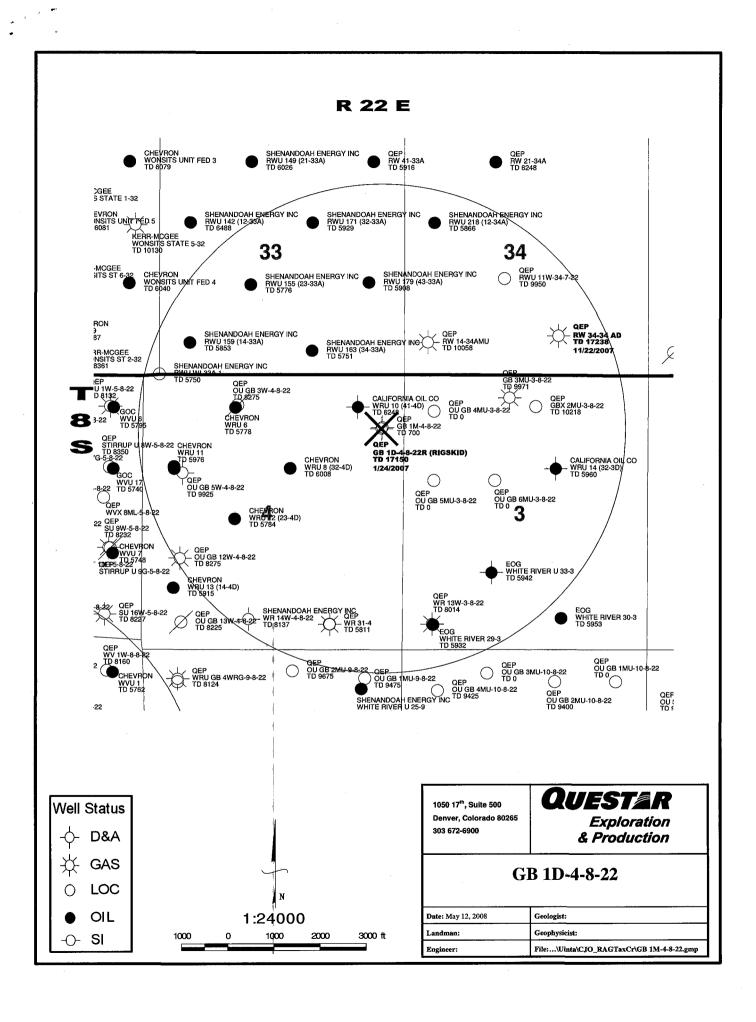
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPROV
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Budget Bureau No. 1004-0135

Expires: March 31, 1993

DUKLA	O OF LAND MANAGEMENT	<u> </u>
SUNDRY NO	TICES AND REPORTS ON WELLS	5. Lease Designation and Serial No. UTU-02510A
Do not use this form for proposals to drill or	to deepen or reentry to a different reservoir	
Use "APPLICAT	ION FOR PERMIT" for such proposals	6. If Indian, Allottee or Tribe Name
OTTO C	THE YALL MID TOX YOU ARE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas	T IN TRIPLICATE	White River Unit
Well Well Other		Well Name and No.
2. Name of Operator		GB-70-4-8-22R
QEPUinta Basin, Inc.		9. API Well No.
3. Address and Telephone No.		43-047-38990
11002 E. 17500 S. Vernal, UT 84078,	(435) 781-4331	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		White River
1 139 FNL 469 F EL SECTION 4, T8S, R 1147 FWL ₁ 474 FEL	22E	11. County or Parish, State UINTAH, UT
12. CHECK APPROPRIATE B	OX(s) TO INDICATE NATURE OF NOTICE, REI	PORT OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
Ц	Corina Paradia	Winter Shot Off
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	X Other Wildcat tax credit application	Dispose Water
		(Note) Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)
 Describe Proposed or Completed Operations (Clearly state all pertinent give subsurface locations and measured and true vertical depths for all m 	letails, and give pertinent dates, including estimated date of starting any proposed work arkers and zones pertinent to this work)	if well is directionally drilled,
Questar requests that the wildcat tax cre pool within a one mile radius (see attache Well Name API	dit be applied to the <u>GB 1D-4-8-22R</u> well. This is ed map). Offset wells include: TD formation at TD .	s the first well in the Mancos / Dakota
- RW 34-34 AD 43-047-36351	17238 Dakota	
-		
-		
APPROVED BY	ISION OF	ron(emailed)
OIL, GAS, AND		
DATE: 2/25/		RECEIVED
BY: \s\lands		
A For Mancos, Fr	Intier Dakota formations on 1/ 1 Statement of Basis	JUN 0 2 2008
the See attached	1 Statement of Basis	DIV OF OUL CAS & MINUS
		DIV. OF OIL, GAS & MINING
14. I hereby certific that the foregoing is true and correct. Signed	Title SV. Geologist	Date 29 May 08
1/1/90//	G-010-1 17	
(This space for Federal or State office use)		
Approved by:	Title	Date



Fluid Entry Results

Company:

Questar Exploration & Production

Well:

GB 1M-4-8-22R

Date:

17-Jul-08

Field:

Gas:

1.611 mmcf/d

Metered Rates Oil:

50 B/D

Water:

250 B/D

NOTE: Only perfs that are contributing towards production are listed. Please see "Data Cover" for a list of all perfs.

Red indicates a thief zone. See PLATO report for explanation.

Reservoir	Perforations	Ga	as	Wa	ter	
Zone	Depth (ft)	Surface mmcf/c	%	Surface B/D	%	
Wasatch	9116-9120			308.0	122.22%	
Mesa Verde	9229-9231			167.0	66.27%	
Mesa Verde	9284-9286			224.0	88.89%	
Mesa Verde	9328-9330	0.143	8.53%	132.0	52.38%	
Mesa Verde	10222-10224	0.007	0.42%			
Mesa Verde	10310-10312	0.054	3.22%			
Mesa Verde	10798-10800	0.057	3.40%			
Mesa Verde	11422-11424	0.220	13.13%			
Mesa Verde	11550 (SQZD)	0.498	29.71%	341.0	135.32%	
Mesa Verde	11626-11628	0.217	12.95%			
Mesa Verde	11772*	0.325	19.39%			
Blackhawk	Blackhawk 12248-12250**		-25.54%	-651.0	-258.33%	
Blackhawk	12572-12574	0.326	19.45%	-		
Mancos	13150-13152 (SQZE))		-269.0	-106.75%	
Mancos B	13311-13313	0.106	6.32%			
Mancos B	13516-13518	0.011	0.66%			

Mancos C	14049-14051	0.080	4.77%	
Frontier	15963-15965	0.040	2.39%	
Dakota Silt	16798-16799	0.020	1.19%	

Total: 1.676 mmcf/d 100% 252 B/D 100%

perforations.

** Note that perfs 12248-12250 in the BLACKHAWK appear to be thieving at a very high rate!

Unless some unknown or extremely unusual flow conditions exist from about 11500' to 12250', the flowmeter runs are very consistent in showing this thief zone. This same effect was observed in an earlier run in this well.

^{*} No perforation listed at this depth. "Ghost perforations" may be due to slugging of the flow or wireline yo-yo effects which cause a "bump" on the log when the various runs are averaged together. If these are true entries of gas or water, perhaps these might be best attributed to the nearest known perforations. However, these entries may also be occurring at off depth perforations.

DIVISION OF OIL, GAS AND MINING Wildcat Well Determination STATEMENT OF BASIS

Applicant: QEP Uinta Basin, Inc.

Location: NENE Sec. 4 T8S, R22E, Uintah County, Utah

WELL NAME: GB 1M-4-8-22R **API** #: 43-047-38990

FINDINGS

- 1. This well was completed on August 7, 2007 in the Mancos, Frontier and Dakota formations.
- 2. A recent production log shows Wasatch, Mesa Verde and Blackhawk formations added to wells production. The Division has no record of these perfs being added.
- 3. This well was > 1 mile from any known production in the Mancos, Frontier and Dakota Formations at the time of the completion and the start of commercial production.
- 4. This well is approximately 2104' from the RW 14-34AMU that also produces from the Wasatch and Mesa Verde formations.
- 5. A production log was run on July 17, 2008 that attributed production in the following amounts for each formation: Wasatch 0%, Mesa Verde 91%, Blackhawk (-6%), Mancos 12%, Frontier 2% and Dakota 1%.
- 6. The Wildcat Tax Credit application was received 10 months after completion of the GB 1M-4-8-22R well (see submittal requirements in R649-3-35-1).

CONCLUSIONS

Future requests for wildcat well determination should be submitted in accordance with R649-3-35-1. Recompletion sundries showing additional work done should be submitted immediately to the Division as required by rule. Based on the findings above the Division has determined the GB 1M-4-8-22R well was drilled into an unknown area for the **Mancos**, **Frontier and Dakota formations**. The Division finds that this well qualifies for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells for the above formations. The Division recommends the percent of production attributed to the three formations (15%) from the production log run on July 17, 2008 be used as the amount of production that qualifies for the wildcat tax credit. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet	Var	Date: <u>9/25/2008</u>
Joshua J. Payne		Date: August 20, 2008

CC: Utah State Tax Commission

ATTN: Ken Petersen

MURD-19.15.39.19
BLEKWK-11.752.39.19

									A'	TTACHMENT A				MNCROK
	· · · · · · · · · · · · · · · · · · ·									Mile Area of Review				
API	WELL NAME	Well Statu	IS OTR	Sect	Town	Range	Cum Oil	Cum Gas		Dx From Well(ft)	Rotary Spud	Date TD reached	Date First Produced	Producing Formation
4304740126	GB 3D-4-8-22	APD	LOT6	04	080S	220E	0	0	D	2986				Dakota (Proposed)
4304740097	WRU GB 14G-4-8-22	DRL	SESW	04	080S	220E	0	0	D	4930				Green River (Proposed)
4304739792	WRU GB 13G-3-8-22	DRL	swsw	03	080S	220E	0	0	D	4391				Green River (Proposed)
4304738990	GB 1M-4-8-22R (RIGSKID)	PGW	NENE	04	0808	220E	2945	213203	D	0	1/28/2007	6/6/2007	8/10/2007	Wastach-Mesa Verde-Mancos-Frontier-Dakota
4304736351	RW 34-34 AD	PGW	SWSE	34	0708	220E	927	57321	E	4301		11/2/2007	3/5/2008	Wasatch-Mesa Verde-Mancos-Frontier-Dakota
4304736317	GBX 2MU-3-8-22	LA	NENW	. 03	0808	220E	0	0	Е	3351				Mesa Verde
4304735671	RW 14-34AMU	PGW	SWSW	34	0708	220E	723	198343	D	2104	8/26/2004	9/16/2004	10/14/2004	Wasatch-Mesa Verde
4304735462	GB 1M-4-8-22	PA	NENE	04	0808	220E	0	0	D	38				Mesa Verde
4304735461	OU GB 2MU-4-8-22	LA	NWNE	04	0808	220E	0	0	D	1605				Mesa Verde
4304735460	OU GB 8MU-4-8-22	LA	SENE	04	080S	220E	0	0	D	991				Mesa Verde
4304735459	OU GB 7MU-4-8-22	LA	SWNE	04	080\$	220E	0	0	D	2486				Mesa Verde
4304735458	OU GB 6MU-3-8-22	LA	SENW	03	080S	220E	0	0	E	3054				Mesa Verde
4304735457	GB 3MU-3-8-22	PGW	NENW	03	0805	220E	407	63383	Е	2791				Wasatch-Mesa Verde
4304735456	OU GB 5MU-3-8-22	LA	SWNW	03	080S	220E	0	0	D	1772				Mesa Verde
4304735455	OU GB 4MU-3-8-22	LA	NWNW	03	080S	220E	0	0	D	1136				Mesa Verde
4304734809	OU GB 6W-4-8-22	LA	SENW	04	080S	220E	0	0	D	3276				Wasatch
4304734808	OU GB 5W-4-8-22	PA	SWNW	04	080S	220E	0	0	D	4430				Wasatch
4304734807	OU GB 4W-4-8-22	LA	NWNW	04	080S	220E	0	0	D	4400				Wasatch
4304734806	OU GB 3W-4-8-22	LA	NENW	04	080S	220E	0	0	D	3145				Wasatch
4304734762	OU GB 12W-4-8-22	PGW	NWSW	04	080S	220E	286	77732	D	5169				Wasatch
4304734761	OU GB 11W-4-8-22	LA	NESW	04	080S	220E	0	0	D	4143				Wasatch
4304734360	RWU 11W-34-7-22	LA	NESW	34	070S	220E	0	0	E	4163				Wasatch
4304734006	WR 14W-4-8-22	PA	SESW	04	080S	220E	0	0	D	5041				Wasatch
4304733651	WR 13W-3-8-22	PGW	swsw	03	080S	220E	500	187571	D	4323				Wasatch
4304730106	RWU 218 (12-34A)	PA	SWNW	34	070S	220E	229992	67855		4603				Green River
4304716484	RWU WI-33A-1	PA	SWSW	33	0708	220E	0	0		4999				Green River
4304715314	WRU 12 (23-4D)	PA	NESW	04	0808	220E	0	0		3699				Green River
4304715313	WRU 11	PA		04	080S	220E	0	0		4554				Green River
4304715312	WRU 8 (32-4D)	PA	SWNE	04	080S	220E	62459	17435	į	2151				Green River
4304715311	WRU 6	PA	NENW	04	0808	220E	169521	160404		3184				Green River
4304715286	RWU 179 (43-33A)	PA	NESE	33	070S	220E	156592	230719		3134				Green River
4304715279	RWU 171 (32-33A)	PA	SWNE	33	070S	220E	197024	365089		4669				Green River
4304715273	RWU 163 (34-33A)	PA	SWSE	33	070S	220E	207111	140664		2283				Green River
4304715269	RWU 159 (14-33A)	PA	SWSW	33	070S	220E	139475	141925		4592				Green River
4304715266	RWU 155 (23-33A)	PA	NESW	33	070S	220E	876198	516471		4225				Green River
4304715091	WHITE RIVER U 33-3	PA	NESW	03	080S	220E	0	0		3889				Green River
4304715090	WR 31-4	WS	SWSE	04	080S	220E	0	0		4409				Green River
4304715088	WHITE RIVER 29-3	PA	SWSW	03	0808	220E	118284	91175		4344				Green River
4304710212	WRU 14 (32-3D)	PA	SWNE	03	0808	220E	0	0		3746				Green River
4304710211	WRU 10 (41-4D)	PA	NENE	04	0808	220E	0	0		696				Green River

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Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Rig Name: ROCKY MTN WS

Spud Date:

1/24/2007

Rig Release: Rig Number: 3

Rig Name:	ROCKY MT	N WS			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
3/28/2008	13:15 - 18:30	5.25	FISH	1	& FISH STARTED TO MOVE. PUSH FISH DOWN TO 13,049' & TOOK 3,000# PRESSURE INCREASE. CIRCULATE CLEAN & TRY TO BRING PRESSURE DOWN. WORK 4 JTS OUT OF HOLE TO 12,927'. (CAN GO UP BUT CAN'T GO DOWN) SECURE WELL SDFN. SHUT WELL IN WITH 4,500 PSI.
3/29/2008	07:00 - 18:30	11.50	WCL	1	SICP-6,000 PSI SURFACE CSG-1,500 PSI RU QEP SAND TRAP. MIRU IPS COMBO PUMP. OPEN WELL TO PRODUCTION
					UNIT & BREAK CIRCULATION @ 3/4 BPM 3,600 PSI, PUMP FOR 5 MIN & PRODUCTION UNIT PLUGGED OFF. FIX SURFACE LEAKS & UNPLUG SEPERATOR. START PUMPING AGAIN & SEPERATOR WAS STILL PLUGGED. SHUT DOWN PUMP. (CALL FOR HOT OILER PUMP TO CLEAN SEPERATOR & PARCHMAN FOR FLOWBACK IRON.) DIG FLARE PIT WHILE WAITING ON IRON. WHEN IRON ARRIVED RU MANIFOLD & LAY LINE TO FLARE PIT. BREAK CIRCULATION PUMPING 1 1/2 BPM @ 3,900 PSI. PUMP 180 BBLS OF 2% KCL
	18:30 - 20:00	1.50	отн		WATER. PRESSURE DECREASED TO 2,000 PSI. SHUT PUMP DOWN. EQUALIZE & OPEN RAMS. MOVE PIPE UP & DOWN & ROTATE. HANG SWIVEL BACK IN DERRICK, LAND TBG ON PIPE RAMS & PREPARE TO RU SNUBBERS.
3/30/2008	07:00 - 10:30	3.50	LOC	4	SECURE WELL SDFN. SICP-6,000 PSI SURFACE CSG-1,500 PSI
	10:30 - 14:00	3.50	отн		RD HANDLING TOOLS & WORK FLOOR. SET SWIVEL BACK IN RACK. MIRU MOUNTAIN STATES SNUB UNIT. THE WEATHERFORD GATE VALVES ON BOP & THE CASING VALVES ON WELL HEAD WOULD NOT OPEN. CHANGE OUT 2 WEATHERFORD VALVES &
	14:00 - 16:00	2.00	CIRC	4	REPAIR CASING VALVES. RU IPS COMBO PUMP & CIRCULATE 200 BBLS OF 2% KCL WATER @ 2.6 BPM
	16:00 - 17:00	1.00	TRP	5	4,900 PSI. (CSG PRESSURE DROPPED TO 2,300 PSI) PU 14 JTS OF TBG TO EOT DEPTH OF 13,340'. (BOTTOM PLUG WAS SET @ 13,260' & WAS MISSING) LD 2 JTS TBG TO 13,280'.
	17:00 - 18:45		CIRC	1	RU IPS COMBO PUMP & CIRCULATE 200 BBLS OF 2% KCL WATER @ 2.6 BPM 4,900 PSI. BULLHEAD 20 BBLS INTO FORMATION.
2/24/2009	18:45 - 19:30 07:00 - 18:30	0.75 11.50	TRP	5	LD 3 JTS OF TBG TO EOT DEPTH OF 13,187 (410 JTS IN HOLE) SECURE WELL SDFN. SICP-3,700 PSI
3/31/2008	07:00 - 18:30	11.50		-	SURFACE CSG-1,500 PSI EQUALIZE STACK & THE RAMS, BAG & BLEED OFF STARTED TO LEAK. REPAIR ALL LEAKS. POOH WITH 7 STDS & BLEW OUT #1 RAMS. CHANGE
					OUT #1,2 & 3 RAMS. EQUALIZE STACK & STRIP OUT OF HOLE ON BOTH BAGS. LOWER BAG STARTED TO LEAK. PULL OUT RAM TO BAG & #4 RAMS STARTED LEAKING. CHANGE OUT #4 RAMS. EQUALIZE STACK & #1 STARTED TO LEAK. CHANGE OUT #1 RAMS. SECURE WELL EOT @ 6,710' WITH 205 JTS IN HOLE. SDFN. WILL CHANGE OUT BOTH BAGS THIS MORNING.
4/1/2008	07:00 - 08:30	1.50	WCL	2	SICP-5,300 PSI SURFACE CSG-1,700 PSI BLOW WELL DOWN TO 4,800 PSI UNTIL WELL STARTED TO MAKE FLUID.
	08:30 - 11:00	2.50	вор	1	LAND TBG ON PIPE RAMS & CHANGE OUT BAG ON SNUB UNIT & ON WEATHERFORD STACK. REPAIR BLEED OFF VALVES ON SNUB STACK.
	11:00 - 13:30	2.50	WCL	1	MIRU HALLIBURTON PUMP TRUCK. TEST LINES TO 10,000 PSI HELD GOOD. BULLHEAD 120 BBLS INTO FORMATION BEGINNING RATE 1 BPM @ 6,150 PSI FINAL RATE @ 3.5 BPM 5,600 PSI. SHUT DOWN PUMP WHEN PRESSURE STARTED TO INCREASE.
	13:30 - 18:00 18:00 - 18:30		TRP WCL	8	EQUALIZE SACK & POOH WITH REMAINING TBG & BHA. BULLHEAD 20 BBLS INTO FORMATION. SECURE WELL SDFN.
					T

CONSTITUTE NAME OF STREET AM

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date:

1/24/2007

Rig Release: Rig Number: 3

Rig Name:	ROCKY MT	'N WS			Rig Number: 3
Date	From - To	Hours	Code	Sub Code	Description of Operations
4/2/2008	07:00 - 08:15	1.25	LOC	4	SICP-4,300 PSI
					9 5/8" CSG-1,400 PSI
					RDMO MOUNTAIN STATES SNUB UNIT.
	08:15 - 08:45	1	BOP	1	ND WEATHERFORD ANNULAR & DSA
	08:45 - 09:10		OTH		RU WORK FLOOR
:	09:10 - 17:20	8.17	LOG	4	MIRU OWP ELU. START IN HOLE WITH PLUG & COULDN'T GET PAST 30'
					POOH. PUMP 2 BBLS OF METHANOL & RIH TO 140' & STACKED OUT ON HYDRATES POOH. PUMP 3 BBLS OF METHANOL & FOLLOW WITH 182 BBLS OF 2% KCL WATER. RIH WITH WEATHERFORD 3.44" CBP & SET @ 13,301'
					WITH 3,200 PSI ON WELL POOH. RIH WITH WEATHERFORD 3.44" CBP PRESSURE WELL UP TO 3,800 PSI & SET CBP @ 13,298' POOH.
	47.00 40.45	4.00	CIDO		BLEED 9 5/8" CSG DOWN TO FLARE PIT & PUMP 100 BBLS OF 2% KCL
	17:20 - 19:15	1.92	CIRC	3	WATER. DID NOT CATCH PRESSURE. SECURE WELL SDFN.
4/2/0000	07:00 - 07:45	0.75	WCL	2	SICP-2.800 PSI
4/3/2008	07.00 - 07.45	0.75	VVCL	2	9 5/8" CSG-250 PSI
					BLEED 9 5/8" CSG DOWN TO 0 PSI.
	07:45 - 14:10	6.42	LOG	4	RIH WITH CASING PUNCH TO 450' & HIT HYDRATES POOH. PUMP 3 BBLS OF
	07.40 - 14.10	0.72		1	METHANOL & FOLLOW WITH 180 BBLS OF 2% KCL WATER. (HAD 9 5/8" CSG
					OPEN TO PIT WHILE CIRCULATING & HAD NO RETURNS) RIH WITH CASING
					PUNCH & SHOOT 9 HOLES FROM 12,585' TO 12,587' POOH. MU & RIH WITH
					BAKER CEMENT RETAINER & SET @ 12,299' POOH. RDMO OWP ELU.
	14:10 - 16:00	1.83	BOP	1	RAISE WORK FLOOR & NU WEATHERFORD 7" 5K ANNULAR. LOWER FLOOR
					& RU HANDLING TOOLS. BLEED WELL DOWN TO 0 PSI WHILE GETTING
					READY TO TRIP.
	16:00 - 18:45	2.75	TRP	2	MU & RIH AS FOLLOWS: BAKER CEMENT STINGER, 8' PUP JT, 1 JT TBG,
			ì		1,710" F NIPPLE & 152 STDS OF TBG TO 9,906'. SECURE WELL SDFN.
4/4/2008	07:00 - 07:30	0.50	WCL	2	SICP-1,000 PSI. SITP-900 PSI
				1	9 5/8" CSG-50 PSI
				1_	BLEED 9 5/8" CSG DOWN TO 0 PSI. BLEED TBG & 4 1/2" CSG TO 0 PSI.
	07:30 - 08:45	1.25	TRP	2	RIH WITH 38 STDS OF TBG & TAG RETAINER @ 12,300'. SPACE OUT WITH 10'
	08:45 - 11:00	2.25	CIRC	1	& 8' PUP JTS. MIRU IPS HIGH PRESSURE PUMP. CIRCULATE WELL PUMPING
					CONVENTIONAL 155 BBLS OF 2% KCL WATER @ 2.9 BPM 3,100 PSI. STING
				1	INTO RETAINER & PRESSURE UP TO 7,000 PSI @ .1 BPM. COULD NOT PUMP
					INTO FORMATION OR CIRCULATE. CANNOT SQUEEZE. DISCUSSED
					SITUATION & DECIDED TO POOH & PREPARE FOR NEXT SQUEEZE. RELEASE
					IPS PUMP
	11:00 - 11:45	0.75	WCL	1	STING OUT OF RETAINER. HOLE WAS OUT OF BALANCE. PUMP 75 BBLS DOWN TBG.
	11:45 - 16:00	4.25	TRP	2	POOH WITH 191 STDS OF TBG. LD STINGER. LOAD 9 5/8" CSG WITH 300 BBLS
	10.00				OF 2% KCL WATER & PRESSURE TEST TO 3,500 PSI. HELD GOOD FOR 30
				ļ	MIN. BLEED OFF CSG SECURE WELL SDFWE.
4/5/2008	06:00 - 06:00	24.00	WCL	2	RIG CREW OFF UNTIL MONDAY
4/6/2008	06:00 - 06:00		WCL	2	RIG CREW OFF UNTIL MONDAY
4/7/2008	07:00 - 11:15		LOG	4	SICP-1,400 PSI
					9 5/8" CSG-0 PSI
					MIRU OWP ELU. RIH TO 11,400' & SET BAKER CICR POOH (BLEED WELL TO 0 PSI) RDMO OWP ELU.
	11:15 - 15:35	4.33	TRP	2	MU & RIH AS FOLLOWS: BAKER CEMENT STINGER, 1 JT TBG, 1,710" F NIPPLE
					& 176 STDS OF TBG TO 11,400'. STING INTO RETAINER.
	15:35 - 17:30	1.92	OTH		OPEN 9 5/8" CSG TO PIT & MONITOR. PRESSURE TEST 4 1/2" CSG TO 3,500
1					PSI HELD GOOD, PUMP 10 BBLS INTO TBG @ 1 BPM 3,600 PSI. BLEED 4 1/2
					CSG OFF. SECURE WELL SDFN.
I					
l	1			1	

CONFIDE 3/12/2009 10:51:27 AM

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Rig Name: ROCKY MTN WS

Spud Date:

1/24/2007

Rig Release: Rig Number: 3

Date 4/8/2008	From - To 07:00 - 13:45 13:45 - 17:30 07:00 - 12:45	6.75 3.75 5.75	CMT	Sub Code	Description of Operations SICP-0 PSI, SITP 2,100 PSI 9 5/8" CSG-0 PSI MIRU HALLIBURTON CEMENTERS. SAFETY MEETING. PRESSURE TEST LINES TO 9,500 PSI ALL HELD GOOD. HOLD 2,500 PSI ON 4 1/2 DURING JOB. GET INJECTION RATE OF 1.6 BPM 4,550 PSI. MIX & PUMP 50 SKS OF 15.8# CLASS G PREMIUM CEMENT. STAGE WITH 1 3/4 BBLS LEFT IN TBG. DID NOT GET CEMENT TO LOCK UP. STING OUT & REVERSE OUT RECOVERED 1 BBL
	13:45 - 17:30	3.75		3	9 5/8" CSG-0 PSI MIRU HALLIBURTON CEMENTERS. SAFETY MEETING. PRESSURE TEST LINES TO 9,500 PSI ALL HELD GOOD. HOLD 2,500 PSI ON 4 1/2 DURING JOB. GET INJECTION RATE OF 1.6 BPM 4,550 PSI. MIX & PUMP 50 SKS OF 15.8# CLASS G PREMIUM CEMENT. STAGE WITH 1 3/4 BBLS LEFT IN TBG. DID NOT
4/9/2008			TOD		LINES TO 9,500 PSI ALL HELD GOOD. HOLD 2,500 PSI ON 4 1/2 DURING JOB. GET INJECTION RATE OF 1.6 BPM 4,550 PSI. MIX & PUMP 50 SKS OF 15.8# CLASS G PREMIUM CEMENT. STAGE WITH 1 3/4 BBLS LEFT IN TBG. DID NOT
4/9/2008	07:00 - 12:45	5.75		2	OF GOOD CEMENT. RDMO HALLIBURTON POOH WITH 176 STDS OF TBG & LD STINGER. SECURE WELL SDFN.
				3	SICP-0 PSI, 9 5/8" CSG-50 PSI RAISE WORK FLOOR. ND BOP STACK, NU 4" 15M FRAC VALVE & WEATHERFORD 10M BOP STACK. LAND HANGER & PRESSURE TEST STACK TO 10,000 PSI, MUD SEALS ON PIPE RAMS ARE LEAKING. CHANGE OUT MUD SEALS, DOOR SEALS, RAM FRONTS & TOP SEALS IN PIPE RAMS. PRESSURE TEST STACK TO 10M. HELD GOOD. PULL HANGER
	12:45 - 16:30	3.75	TRP	2	MU & RIH AS FOLLOWS: 3.701" 4 BLADE JUNK MILL, BS, DFBPV, LBS, OIL JARS, X-OVER, 1 JT TBG, 1.710" F NIPPLE, 1 JT TBG & 171 STDS TO EOT DEPTH OF 11,148'. SECURE WELL SDFN.
4/10/2008	07:00 - 07:45	0.75	TRP	2	SICP-0 PSI, SITP-0 PSI 9 5/8" CSG-75 PSI RIH WITH 4 STDS & TAG CEMENT @ 11,388'.
	07:45 - 08:30		SEQ	1	RU POWER SWIVEL.
	08:30 - 17:20	8.83	DRL	4	BREAK CIRCULATION PUMPING CONVENTIONAL 3 BPM @ 2,100 PSI. DRILL 12' OF CEMENT ON TOP OF RETAINER, DRILL CICR & CEMENT TO 11,561'. PUSH TO 11,676' PUMP FINAL GEL SWEEP & CIRCULATE CLEAN.
	17:20 - 18:00	0.67	EQT	1	PRESSURE TEST CSG TO 5,000 PSI LOST 300 PSI IN 10 MIN. SECURE WELL SDFN.
4/11/2008	07:00 - 12:00	5.00	DRL	4	SICP-0 PSI, SITP-0 PSI 9 5/8" CSG-75 PSI RIH USING POWER SWIVEL TO 12,300". BREAK CIRCULATION PUMPING 3 BPM @ 2,100 PSI. DRILL CICR @ 12,300". DRILLED TOP HALF OF CICR & TOOK A GAS KICK. RETAINER MOVED UP HOLE 30". FINISH DRILLING RETAINER. PUMP FINAL GEL SWEEP & CIRCULATE CLEAN.
	12:00 - 12:25		SEQ	1	HANG BACK SWIVEL IN DERRICK.
	12:25 - 13:00		TRP	2	RIH WITH 14 STDS & TAG CBP @ 13,300'.
	13:00 - 15:55 15:55 - 19:15		CIRC	1 2	CIRCULATE 380 BBLS @ 3 BPM & KILL WELL. LD 110 JTS OF TBG. RIH 14 STDS OUT OF DERRICK LD 3 JTS TO EOT DEPTH OF 10,653' (328 JTS IN HOLE) SECURE WELL SDFN.
4/12/2008	07:00 - 08:45	1.75	CIRC	1	SICP-3,100 PSI, SITP-0 PSI 9 5/8" CSG-100 PSI BLEED GAS OFF & CIRCULATE 280 BBLS @ 3 BPM.
	08:45 - 15:35	6.83	TRP	2	LAY DOWN 328 JTS OF TBG & BHA. (BLEED GAS BUBBLE OFF WHILE PULLING OUT OF HOLE)
	15:35 - 18:00	2.42	SEQ	1	SET SWIVEL IN CRADLE. RD HANDLING TOOLS & WORK FLOOR. RD FLOW LINE & IPS MANIFOLD.
4/13/2008	07:00 - 09:15	2.25	вор	1	SICP-2,200 PSI 9 5/8" CSG-200 PSI ND WEATHERFORD BOP STACK, LOAD OUT ON TAPIA TRUCKS & HAUL TO
	09:15 - 13:00	3.75	отн		VERNAL YARD. LOAD OUT 304 JTS OF 2 3/8" 4.7# P-110 TBG ON TAPIA TRUCKS & HAUL TO RED WASH YARD. LOAD OUT WEATHERFORD 2 3/8" 5.9# P-110 PH-6 TUBING ON B&T TRUCKS & HAUL TO ROCK SPRINGS YARD. CLEAN FLOWBACK
l					A EGRAPHA 2/42/2000 40:E4:27 AM

CONFID 3/12/2009 10:51:27 AM

Operations Summary Report

Well Name: GB 1M-4-8-22R Location: 4- 8-S 22-E 26

Location: 4- 8-S 22-E 26 Rig Name: ROCKY MTN WS Spud Date: 1/24/2007

Rig Release: Rig Number: 3

				Code	
4/13/2008	09:15 - 13:00	3.75	отн		TANKS, RACK UP PUMP & LINES.
	13:00 - 16:00	1	LOC	4	RD RIG & STRIP DOWN FOR ROADING.
4/14/2008	07:00 - 12:00		отн		SICP-4,200 PSI
					LOAD OUT TRUCKS & MOVE OFF. RELEASE ALL RENTAL EQUIPMENT. EMPTY WATER TANKS.
4/18/2008	12:00 - 17:00	5.00	STIM	2	SPOT IPS FBE AND PREP LOCATION FOR FRAC. NU 4 1/16" 15K FRAC HEAD.
4/19/2008 4/19/2008	08:00 - 15:00		STIM	2	MIRU OWP ELU. MU & RIH W/ SPENT CSG GUNS, SPANG/OIL JARS AND TAG
4/19/2000	05.00 - 15.00	7.00			CBP @ 13,288'. POOH & MU & RIH W/ 7- 2' GUNS AND 1- 3' GUN LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SHOOT 51 HOLES FROM 12,776' TO 13,112'.
	15:00 - 17:00	2.00	STIM	2	MIRU HES FRAC EQUIPMENT.
4/20/2008	08:00 - 09:45	1.75	STIM	3	FRAC STAGE #8 WITH 800 GAL. 15% HCL AT 10 BPM, 2,786 BBLS SLICKWATER CARRYING 50,841 LBS# 30/50 SINTERLITE SAND. AVG RATE=
					45.6 BPM, AVG PSI= 8,883.
	09:45 - 12:15	2.50	PERF	2	PERF STG #9 WITH 1- 2' & 3- 4' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM
	09.40 - 12.13	2.00	1 62111		CHARGE. SET 3.44" CFP AT 12,600' WITH 5,000 PSI. SHOOT 42 HOLES FROM
			OT# *		12,248' TO 12,576'.
	12:15 - 14:00	1.75	STIM	3	FRAC STAGE #9 WITH 800 GAL. 15% HCL AT 10 BPM, 4,224 BBLS SLICKWATER CARRYING 98,001 LBS# 30/50 SINTERLITE SAND. AVG RATE=
					48,3 BPM. AVG PSI= 8,024.
	14:00 - 16:30	2.50	PERF	2	PERF STG #10 WITH 9- 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CBP AT 11,650' WITH 5,000 PSI. SHOOT 54 HOLES FROM
		,			10,954' TO 11,628'.
4/21/2008	07:00 - 08:00	1.00	STIM	3	FRAC STAGE #10 WITH 800 GAL. 15% HCL AT 10 BPM, 2,854 BBLS SLICKWATER CARRYING 75,400 LBS# 30/50 SINTERLITE SAND. AVG RATE=
					55.2 BPM. AVG PSI= 6,452.
	08:00 - 10:00	2.00	PERF	2	PERF STG #11 WITH 9- 2' GUNS LOADED 3 SPF, 120* PHASE, 11 GRAM CHARGE. SET 3.44" CFP AT 10,820' WITH 3,200 PSI. SHOOT 54 HOLES FROM
				1	10,094' TO 10,800'.
	10:00 - 11:00	1.00	STIM	3	FRAC STAGE #11 WITH 800 GAL. 15% HCL AT 10 BPM, 2,459 BBLS
					SLICKWATER CARRYING 85,300 LBS# 30/50 SINTERLITE SAND. AVG RATE= 56.1 BPM. AVG PSI= 4,921.
	11:00 - 13:15	2.25	PERF	2	PERF STG #12 WITH 9- 2' GUNS LOADED 3 SPF, 120" PHASE, 11 GRAM
	77.00 - 13.13	2.20	, 210		CHARGE. SET 3.44" CFP AT 10,020' WITH 2,700 PSI. SHOOT 66 HOLES FROM 9,116' TO 9,996'.
	40:4E 44:30	4.05	CTILA	3	FRAC STAGE #12 WITH 800 GAL. 15% HCL AT 10 BPM, 2,396 BBLS
	13:15 - 14:30	1.25	STIM	3	SLICKWATER CARRYING 75,099 LBS# 20/40 CRC SAND. AVG RATE= 53.6 BPM
	14:30 - 18:00	3.50	LOC	4	AVG PSI= 5,158. RDMO HES FRAC EQUIPMENT & OWP ELU. MI IPS CTU & GCDOE.
4/22/2008	06:00 - 23:00	17.00		6	MIRU IPS CTU, GCDOE AND SPIRIT FLUIDS. LOAD CT WITH 80° WATER. MU QUALITY 2 7/8" MOTOR/JARS WITH 3.625" 5-BLADE JUNK MILL. TEST STACK TO 8,000 PSI. RIH AND DRILL OUT 6 PLUGS IN 8 HOURS. TAG PBTD AT 17,082 (FC DEPTH 17,082'). PUMP FINAL 10 BBLS SWEEP AND POOH. RDMO IPS CTU
4/23/2008	06:00 - 06:00	24.00	DRL	6	GCDOE & SPIRIT FLUIDS. FLOWING TO SALES THROUGH IPS FBE.
4/24/2008	06:00 - 06:00	24.00	DRL	6	FLOWING TO SALES THROUGH IPS FBE.
4/25/2008	06:00 - 06:00	24.00	DRL	6	FLOWING TO SALES THROUGH IPS FBE.
	06:00 - 06:00	24.00		6	FLOWING TO SALES THROUGH IPS FBE.
4/26/2008					
4/27/2008	06:00 - 06:00	24.00	DRL	6	FLOWING TO SALES THROUGH IPS FBE.
					COA Printed 2012/2007 10 21 27 AM

Operations Summary Report

Well Name: GB 1M-4-8-22R

1/24/2007

Spud Date: 1/2
Rig Release:
Rig Number: 3

Location:	4- 8-S		
Rig Name:	ROCKY	MTN	ws

Date	From - To	Hours	Code	Sub Code	Description of Operations
4/27/2008 4/28/2008	06:00 - 06:00 06:00 - 12:00	24.00 6.00	DRL DRL	6 6	RDMO IPS FBE.
2/9/2009	06:00 - 18:00	12.00	TRP	8	MIRU IPS SU. TEST STACK. RIH W/ BHA & 419 JTS 23/8" 8RD 4.7# P-110 TO EOT @ 13,338". INSTALL HANGER & HANG OFF. RDMO IPS SU. NU 21/16" PROD TREE TEST TREE & HANGER. RU IPS, PUMP PLUG OFF. TURN WELL OVER TO PRODUCTION.
					CONTRACTION OF THE PRINTED STREET STR



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									1	5. Lease Serial No. UU-02510A						
la. Type of b. Type of			il Well	Gas Well Work Over	Dry Deepen	Other Plug Back	☐ Dif	f. Resvr.,				Indian,	Allottee or	Tribe l	lame	=
		Ot	her: RECO	MPLETE - F	REPERF								A Agreemer VER UNIT	nt Nam	e and No.	_
2. Name of Questar F	Operator	& Prod	uction Co.						··· ····		8. L		me and Well	No.		_
			OUTH - VERNA	L, UT 84078					de area code		9. A	FI Well	No.			_
4. Location	of Well (R	evort loc	ation clearly	and in accord	ance with Federa			4342 - D	ahn Caldw	/eli)47-38 Field an	d Pool or Ex	plorate	Orv	
	1147' F	-		E, SEC 4-T			,,				UNI	DESIG	NATED			
At surfac	æ										11.	Sec., T., Survey (R., M., on F or Area SEC	Block a 4-T8S-	nd R22E	
At ton ne	od. interval	ranorted i		FNL, 474'	FEL, NENE, SI	EC 4-T8S-I	R22E				12	County	or Parish	11	3. State	_
• •	444	-	of, q±	NE SEC	TOC DOOF						- 1	TAH	01 1 411511	- 1	o. State	
At total d	срш	FNL, 4		T.D. Reache	-T8S-R22E	16. 1	Date Com	nleted 04	/22/2008				ns (DF, RK			_
01/24/200)7		06/06/	2007			D&A	✓ Re	ady to Prod		519	0' KB				_
18. Total D	epth: MD TV		14'	19. Ph	ig Back T.D.: 1	MD 17,06; FVD	3'	12	0. Depth B	ridge Plu		MD IVD				
		her Mecha	mical Logs Ru	n (Submit co	y of each)			2:	2. Was wel Was DS				Yes (Submi			
CBL/VDL/		Payord (Report all str	ngs set in wel	<i>l</i>)				Direction	nal Surve			Yes (Submi			
Hole Size	Size/Gr		Vt. (#/ft.)	Top (MD)	Bottom (MD)		ementer		f Sks. &		y Vol.	Cem	ent Top*		Amount Pulled	_
17-1/2"	13-3/8"		4.5#		526'	De	pun	500 SX	f Cement	(B)	BL)	SURF	- CIRC			
12-1/4"	9-5/8"		7#		6107'			1427 S					-UNK			
6-1/8"	4-1/2"	1:	5.1#		17,083'			865 SX	s			2875'	- CBL			
	ļ					<u> </u>										
	 			 	 			<u> </u>								
24. Tubing	Record				<u> </u>	_ <u></u>		L			L		1			_
Size		Set (MD)	Packer D	epth (MD)	Size	Depth Se	t (MD)	Packer De	epth (MD)	Siz	ze	Dept	h Set (MD)	I	acker Depth (MD)
2-3/8" 25. Produci	13,33 ng Intervals		.l			26. Per	rforation l	Record						<u> </u>		
1\ 0== 4:	Formatio			Тор	Bottom		forated In			Size	No. I	loles		Perf.	Status	
A) SEE AT	TACHME	NI ON				SEEAI	IACHM	ENT ON	=		-					—
C)											-					 -
D)																
			ement Squee	ze, etc.				\	4 Trump of 1	fetorial						
SEE ATTA	Depth Inter		SEE	ATTACHME	NT ONE			anount an	d Type of M	iaiciiai						
																
28. Product	ion - Interve	1 Δ														
Date First		Hours	Test	Oil		Vater	Oil Grav	•	Gas	- 1	luction M	ethod				
Produced		Tested	Production		l !	BL	Corr. Al	' !	Gravity	FL	OWING					
4/22/08 Choke	4/25/08 Tbg. Press.	24 Csa	24 Hr.	TRACE Oil		1784 Vater	Gas/Oil	·	Well Statu							
Size		Press.	Rate	BBL		BL	Ratio		PRODU							
22/64	si N/A	3100	-													
8a. Produc				1 69	L	· · · · · · · · · · · · · · · · · · ·	1000		<u> </u>							
Date First Produced		Hours Tested	Test Production	Oil BBL		later BL	Oil Grav Corr. AF		Gas Gravity	Proc	luction M	etnod				
			→							- 1						
Choke	Tbg. Press.		24 Hr.	Oil		ater	Gas/Oil		Well Statu	s	A Pro-	<u> </u>				
	Flwg. SI	Press.	Rate	BBL	MCF B	BL	Ratio			The William						
		1		1	, 1		1		1		34 €	AT PARTY IN				

*(See instructions and spaces for additional data on page 2)

RECEIVED

	uction - Inte		.	lo ii	<u> </u>	kv?	bit cir-	0	Desdersting Mathed				
Date First Produced	l est Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					
28c Produ	uction - Inte	rvel D		1	1								
Date First		Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method				
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					
29. Dispos	l sition of Gas	S (Solid, use	ed for fuel, ve	nted, etc.)	<u> </u>		l						
30 Summ	ary of Poro	ns Zones (Include Aqui	fers):		 		31. Formation	on (Log) Markers				
Show a	ll important ng depth int	zones of p	orosity and co	ontents the	reof: Cored in l open, flowing	tervals and all g and shut-in p	drill-stem tests, ressures and	FORMATI	• •				
		T	72.44		Danami	:t' Ctow	-44-		Name	Тор			
rom	nation	Тор	Bottom		Descri	iptions, Conter	ns, etc.	l	Name	Meas. Depth			
UINTA	- · · · · · ·	SURFACE						MANCOS SH	ALE	12526'			
GREEN RIV	/ER	2936'						MANCOS 'B'		12984'			
MAHOGAN	Y	4007'						FRONTIER		15859*			
WASATCH		6544'											
MESA VER	DE	9203'											
CASTLEGA	TE	11758'											
BLACKHAW		12110					·						
		` •	olugging proc							τ.			
FUTURE	ÖIL PRO	SPECTS	ARE GREE	N RIVEF	₹.								
33. Indica	te which ite	ms have bee	en attached by	y placing a	check in the a	ppropriate box	res:						
Flee	trical/Mecha	nical Loss (full set req'd	(.)	Па	eologic Report	DST Re	port	☐ Directional Survey				
_			nd cement ver	-		ore Analysis			T - PERF & FRAC INFO				
34. I hereb	y certify tha	at the forego	oing and attac	ched inform	nation is comp	lete and correc	t as determined from	n all available re	cords (see attached instructions)*				
Na	ime <i>(please</i>	_{print)} JIM	SIMONTO	N		۷.	Title COMPLE	TION SUPER	VISOR				
	gnature	Gim	S	mor	ton (de)	Date 12/15/2008	3					
Title 18 U.	S.C. Section	1001 and	Title 43 U.S. ments or repr	C. Section esentations	1212, make it as to any mat	a crime for any ter within its ju	person knowingly a	and willfully to	mak Cron Aleman Per agency	of the United States any			
(Continued	on page 3)								THE PERSON NAMED IN COLUMN 1	(Form 3160-4, page 2)			

GB 1M 4-8-22
Perforation Detail Attachment - New Perforations from Recompletion
PERFORATION DETAIL:

Open Perfs	<u>Stimulation</u>					Perf Status
9116' – 9120'						Open - Wasatch
9229' – 9231'						Open – Mesa Verde
9284' – 9286'						Open – Mesa Verde
9302' – 9304'						Open – Mesa Verde
9328' – 9330'					******************************	Open – Mesa Verde
9382' – 9384'	Frac w/	75,099	Lbs in	100,632	Gals	Open – Mesa Verde
9860' – 9862'					44444	Open – Mesa Verde
9880' – 9882'						Open – Mesa Verde
9980' - 9982'						Open – Mesa Verde
9994' – 9996'						Open – Mesa Verde
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
10094′ – 10096′						Open – Mesa Verde
10222' – 10224'						Open – Mesa Verde
10245' - 10247'		ana				Open – Mesa Verde
10310' - 10312'			6			Open – Mesa Verde
10368' – 10372'	Frac w/	85,300	Lbs in	103,278	Gals	Open – Mesa Verde
10398' - 10400'			i			Open – Mesa Verde
11544' – 10546'			<u> </u>	-		Open – Mesa Verde
10580′ – 10582′						Open – Mesa Verde
10798' – 10800'						Open – Mesa Verde
10/30 - 10000			<u> </u>			
10954′ – 10956′						Open – Mesa Verde
11034' – 11036'						Open – Mesa Verde
11050′ – 11050′						Open – Mesa Verde
11106' - 11108'						Open – Mesa Verde
11234′ – 11236′	Frac w/	75,400	Lbs in	119,868	Gals	Open – Mesa Verde
11626' – 11628'	TIAC W/	75,100				Open – Mesa Verde
						Open – Mesa Verde
11454' - 11456' 11422' - 11424'		***************************************			<u></u>	Open – Mesa Verde

11372' – 11374'				1	<u> </u>	
12240/ 12252/]					<u> </u>	Open - Blackhawk
12248' – 12252'		***************************************		1	<u> </u>	Open - Blackhawk
12389' - 12393'	Emaw/	98,001	Lbs in	177,408	Gals	Open - Blackhawk
12484′ – 12486′	Frac w/	30,001	LUJ III	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Open - Blackhawk
12572' – 12576'					ļ.,,	
					<u> </u>	Open - Blackhawk
12776′ – 12778′						Open – Mancos 'B'
13007' – 13009'		***************************************			<u> </u>	: " • "
13016' – 13019'					ļ	Open – Mancos 'B'
13040' - 13042'				<u> </u>	<u> </u>	Open – Mancos 'B'
13045' - 13047'	Frac w/	50,841	Lbs in	117,012	Gals	Open – Mancos 'B'
13058' - 13060'						Open – Mancos 'B'
13083' – 13085'						Open – Mancos 'B'
13110′ – 13112′						Open – Mancos 'B'
		p	<u>i</u>	<u> </u>	1	Open – Mancos 'B'
13150' – 13152')		······································		1	<u>.i</u>	



(Instructions on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

	FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010
5. Lease Serial No. UTU-02510A	

N/A

SUNDRY	NOTICES AND REPORTS ON WELLS
	form for proposals to drill or to re-enter an
abandoned well.	Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name

SUBMIT	7. If Unit of CA/Agree WHITE RIVER UNIT	ment, Name and/or No.				
1. Type of Well Oil Well Gas W	8. Well Name and No. GB 1M 4 8 22R					
2. Name of Operator Questar Exploration & Production Co).			9. API Well No. 43-047-38990		
3a. Address		3b. Phone No. (include a	rea code)	10. Field and Pool or I	Exploratory Area	
11002 East 17500 South - Vernal, UT 84078		435.781.4342 - Dahn C	aldwell	UNDESIGNATED		
4. Location of Well (Footage, Sec., T., F 1147 FNL, 474 FEL, NENE, SEC 4-T8S-R22E	R.,M., or Survey Description)		;	11. Country or Parish, Uintah County, Utah		
12. CHEC	K THE APPROPRIATE BOX	K(ES) TO INDICATE NA	TURE OF NOTIC	CE, REPORT OR OTH	ER DATA	
TYPE OF SUBMISSION			TYPE OF ACT	ION		
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat		uction (Start/Resume) amation	Water Shut-Off Well Integrity	
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abando		mplete oorarily Abandon	Other SQZ HOLE	
Final Abandonment Notice	Convert to Injection	Plug Back	Wate	r Disposal		
the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.) This well had squeeze work done on 11/1/07. Squeeze holes @ 13,150' & 11,550'. Attempted to pump into squeeze holes w/ 4000# pressure with no break.						
14. I hereby certify that the foregoing is tr Jim Simonton	ue and correct. Name (171mea.	į	mpletion Supervi	sor		
Signature June Signature Odfo Date 04/15/2009						
V	THIS SPACE F	OR FEDERAL OF	R STATE OFF	ICE USE		
Approved by						
Conditions of approval, if any, are attached that the applicant holds legal or equitable tientitle the applicant to conduct operations to	tle to those rights in the subject hereon.	lease which would Offi	ce		Date	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1001 and			ngly and willfully to	make to any departmen	t or agency of the United States any false, KECFIVED	

CONFIDENTIAL APR 2 0 2009

State of Utah Division of Oil, Gas and Mining

ENTITY ACTION FORM - FORM 6

OPERATOR:

OPERATOR ACCT. No. N-5085

Phone No. (435)781-4342

Questar Exploration & Production Co.

1571 East 1700 South ADDRESS:

Vernal, Utah 84078 (435)781-4342

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
E	15879	15879	43-047-38990	GB 1M 4 8 22R	NENE	4	8\$	22∈	Uintah	1/24/07	4/22/08
WELL 1	COMMEN	rs: wstc & i		ornations			1	L			4/29/09
			U								
WELL 2	COMMEN.	rs:		<u> </u>	··	-1 ;	1.1	1			ali kuma ka da kuma kuma kuma ka kuma ka kuma ka kuma kum
			1		<u> </u>		T.				
WELL 3	COMMEN	TS:	<u> </u>					.,			
								1000		<u> </u>	i ja ja sasta saanna ja ja sastalasta
						1					
WELL 4	4 COMMEN	TS:		· · · · · · · · · · · · · · · · · · ·		*************************************	<u> </u>				
										ti i diserie Acid Laurenten	apartinating are some of the source
									e e el le e e el el		
WELL:	5 COMMEN	TS:		<u></u>						1 	
									. (u u v u uvole Nasavana.
ACTIO	A - Establis B - Add ne	sh new entity for w well to existi	ns on back of form or new well (single ng entity (group or	well only) unit well)	RI	ECE	IVE	D		Dalm (aldwel
	D - Re-ass	ign well from o	ne existing entity t	o another existing entity o a new entity	A	PR 2	7 200	9	· ·	ice Administ <u>rato</u> r	4/22/08
			ments section)	i dali da Omala daga da da da da da da da da da da da da da	DIV. OF	OIL, G	AS&M	INING		Title	Date Date
NOTE:	Use COMA	IENT section t	o explain why eacl	h Action Code was selected					DL	ono No. /435179	1 1010

(3/89)



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVEL
OMB No. 1004-0137
Expires: July 31, 201

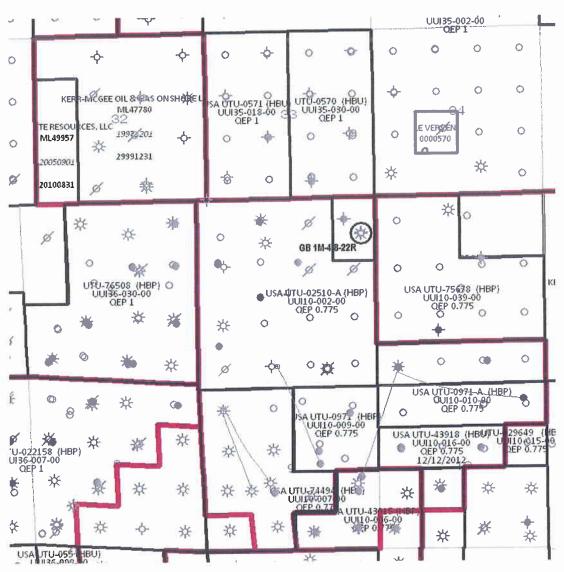
5. Lease Serial No.

UTU-02510A

6. If Indian, Allottee or Tribe Name

abandoned well.		N/A						
SUBMIT	7. If Unit of CA/Agreer							
1. Type of Well			RIVER UNIT					
Oil Well	<u> </u>			M-4-8-22R				
2. Name of Operator QUESTAR EXPLORATION & PROI	DUCTION CO. CO	ONTACT: N	Mike Stahl		9. API Well No. 43-	047-38990		
3a. Address		. Phone No.	(include area co	de)	10. Field and Pool or Ex	xploratory Area		
11002 EAST 17500 SOUTH, VERNAL, UTAH	84078	303) 308-361	13		UNDESIGNATED			
4. Location of Well (Footage, Sec., T.,	R., M., or Survey Description)				11. Country or Parish, S			
1147' FNL 474' F	EL, NENE, SECTION 4, T8S, R22E	Ē			UINI	rah, utah 		
12. CHEC	K THE APPROPRIATE BOX((ES) TO IND	ICATE NATUR	E OF NOTIC	E, REPORT OR OTHE	R DATA		
TYPE OF SUBMISSION			TY	PE OF ACT	ON			
Notice of Intent	Acidize	Deepe	en	Produ	ction (Start/Resume)	Water Shut-Off		
	Alter Casing	Fracti	ıre Treat	Recla	mation	Well Integrity		
✓ Subsequent Report	Casing Repair	New 0	Construction	Reco	nplete	Other		
	Change Plans		and Abandon		orarily Abandon	COMMINGLING		
Final Abandonment Notice	Convert to Injection	Plug l	Back 	Wate	Disposal			
testing has been completed. Final determined that the site is ready for In Compliance with the Administrative Production Company hereby request to be in the public interest in that it programmers and presents no detrimental efformation of the complete state of the	r final inspection.) we Utah code for drillling and sts the commingling of production maximum ultimate elects from commingling the gate of the commingling of production of the commingling of production of the commingling of production of the commingling of production of the commingling of the initial production is changing over time. If the initial production is changing over time. If the initial production is changing over time.	operating protion between economic reas streams. the Dakota trde - 82%, will be made fithese samplection.	ractice R649-3- en intervals in the cevery, preven on the Wasatch Vasatch 2%.	22, complet ne GB 1M-4 ts waste, pr intervals. Ba ontent and g	ion into two or more p -8-22R. Questar cons ovides for orderly and ased upon offset produ as constituents. Thes y adjustments in alloca	ecols. Questar Exploration & iders this commingling efficient production of oil and uction logs, the proposed initial e annual samples can be ation are necessary they		
14. I hereby certify that the foregoing is to	rue and correct. Name (Printed/T	yped)						
Laura Bills		y Affairs Analyst						
Signature Dull Bill Date 05/11/2009								
	THIS SPACE FO	OR FEDE	RAL OR ST	ATE OFF	ICE USE			
Approved by Conditions of approval, if any, are attached	Approval of this natice does no	of warrant or o	Title E	Et_E.	~ +	ate 6/9/09 deral Approval of This		
that the applicant holds legal or equitable t	itle to those rights in the subject le			Man	1	Action Is Necessary		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department on representations as to any matter within its jurisdiction.



T8S-R22E

Tw/Kmv COMMINGLED PRODUCTION

Uinta Basin-Uintah County, Utah

O Commingled well

Well: GB 1M-4-8-22R Lease: UTU 02510A

QUESTAR
Exploration and
Production
1050 17th St., 8 500 Denver, CO 80265

Geologist:

Landman: Nate Koeniger/Chad Matney/Birgit Roesink

Date: April 29, 2009

AFFIDAVIT OF NOTICE

STATE OF COLORADO)
COUNTY OF DENVER) ss:)

Chad W. Matney, being duly sworn, deposes and says:

1. That I am employed by Questar Exploration and Production Company in the capacity as a Landman. My business address is:

Independence Plaza 1050 17th Street, Suite 500 Denver, CO 80265

- 2. In my capacity as a Landman, pursuant to the provisions of Utah Administrative Rule 649-3-22, I have provided a copy of Questar Exploration and Production Company's application for completion of the GB 1M-4-8-22R well into two or more pools, in the form of Utah Division of Oil, Gas and Mining's Form 9 Sundry Notice, to owners of all contiguous oil and gas leases or drilling units overlying the pools which are the subject of that application.

Printed Name: Chad W. Matney

The foregoing instrument was sworn to and subscribed before me this ______ day of _______ 2009, by Chad W. Matney.

Notary Public

Commission expires

4.24.2012

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

(for state use only)

ROUTING
CDW

Change of Operator (Well Sold)				Х-	Operator	· Name Chan	σe			
The operator of the well(s) listed below has char	iged, e	effectiv	ve:		орегие	6/14/2010	<u>s~</u>			
FROM: (Old Operator): N5085-Questar Exploration and Production Compa 1050 17th St, Suite 500 Denver, CO 80265	any					pany se 500		-		
Phone: 1 (303) 308-3048				Phone: 1 (303	3) 308-3048					
CA No.							RIVER	R		
WELL NAME SEE ATTACHED	SEC	TWN	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS		
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation wa 2. (R649-8-10) Sundry or legal documentation wa	ıs rece	eived fi	rom the	FORMER op	perator on:	6/28/2010	-			
3. The new company was checked on the Departs 4a. Is the new operator registered in the State of U 5a. (R649-9-2)Waste Management Plan has been re 5b. Inspections of LA PA state/fee well sites comp 5c. Reports current for Production/Disposition & S	ment of Stah: Sceived Lete or Sundrie	of Condon: d on: n: es on:	nmerce E	Business Numb Requested n/a ok	Corporation per: —	5 Database on: 764611-0143	-	6/24/2010		
 Federal and Indian Lease Wells: The BL or operator change for all wells listed on Federal. Federal and Indian Units: The BLM or BIA has approved the successor Federal and Indian Communization Ag 	al or I	ndian l it oper	leases of	n: wells listed or	BLM	me change, 8/16/2010 8/16/2010	BIA	not yet		
The BLM or BIA has approved the operator i	for all	wells]	listed w	ithin a CA on:		N/A				
9. Underground Injection Control ("UIC") Di	vision	has ap	proved UIC 1	Form 5 Trai	sfer of Author	ity to			
Inject, for the enhanced/secondary recovery un DATA ENTRY:	it/proj	ject for	r the wa	ter disposal we	ell(s) listed o	n:	6/29/2010			
1. Changes entered in the Oil and Gas Database 2. Changes have been entered on the Monthly Op 3. Bond information entered in RBDMS on: 4. Fee/State wells attached to bond in RBDMS on 5. Injection Projects to new operator in RBDMS of 6. Receipt of Acceptance of Drilling Procedures for BOND VERIFICATION:	erato : on:		-	6/30/2010 read Sheet on 6/30/2010 6/30/2010 6/30/2010	- - - n/a	6/30/2010				
1. Federal well(s) covered by Bond Number:				ESB000024						
2. Indian well(s) covered by Bond Number:			-	965010693	_ _					
3a. (R649-3-1) The NEW operator of any state/fed					lumber	965010695				
 3b. The FORMER operator has requested a release LEASE INTEREST OWNER NOTIFIC 4. (R649-2-10) The NEW operator of the fee wells of their responsibility to notify all interest owner 	ATION TO SERVICE ATION	ON: een coi	ntacted	and informed l	n/a by a letter fro n/a	om the Division				
COMMENTS:										

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

		5. LEASE DESIGNATION AND SERIAL NUMBER See attached
SUNDRY NOTICES AND REPORTS ON W	ELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hol	double control to the	See attached 7. UNIT or CA AGREEMENT NAME:
1 TYPE OF WELL	posals.	See attached
OIL WELL GAS WELL OTHER		8. WELL NAME and NUMBER: See attached
Questar Exploration and Production Company N5085		9. API NUMBER:
3. ADDRESS OF OPERATOR:	PHONE NUMBER	Attached 10. FIELD AND POOL, OR WILDCAT:
1050 17th Street, Suite 500 Denver STATE CO ZIP 80265	(303) 672-6900	See attached
LOCATION OF WELL FOOTAGES AT SURFACE: See attached		
des attached		COUNTY: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE:
11 CHECK APPROPRIATE BOXES TO INDICATE NATUR	E OF NOTICE DEPOS	UTAH
TYPE OF SUBMISSION CHECK APPROPRIATE BOXES TO INDICATE NATUR		T, OR OTHER DATA
C ACIDIZE DEEDE	TYPE OF ACTION	REPERFORATE CURRENT FORMATION
NOTICE OF INTERNI	JRE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW C	ONSTRUCTION	TEMPORARILY ABANDON
6/14/2010 CHANGE TO PREVIOUS PLANS OPERA	TOR CHANGE	TUBING REPAIR
	ND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG E	ACK	WATER DISPOSAL
Date of work completion:	CTION (START/RESUME)	WATER SHUT-OFF
	MATION OF WELL SITE PLETE - DIFFERENT FORMATION	✓ other: Operator Name Change
12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent detail		
Effective June 14, 2010 Questar Exploration and Production Comparchange involves only an internal corporate name change and no third employees will continue to be responsible for operations of the proper continue to be covered by bond numbers: Federal Bond Number: 965002976 (BLM Reference No. ESB000024 Utah State Bond Number: 965003033) Fee Land Bond Number: 965003033 Fee Land Bond Number: 799446- 965010693 The attached document is an all inclusive list of the wells operated by June 14, 2010 QEP Energy Company assumes all rights, duties and the list	y changed its name to 0 I party change of operatorities described on the at A Questar Exploration an	QEP Energy Company. This name or is involved. The same tached list. All operations will
NAME (PLEASE PRINT) Morgan Anderson	Regulatory Affairs	Analyst
SIGNATURE / LONGUE AND AND I	6/23/2010	
his space for State use only)		

RECEIVED JUN 2 8 2010

APPROVED 61301 2009
Carley Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700) WHITE RIVER effective June 14, 2010

well name		4		· ·					
wen_name	sec	twp	rng	api	entity	mineral	type	stat	C
WR 16-9	09	080S	22017	4304715081	4015	lease	0777		_
WRU EIH 15-35-8-22	35			4304713081	4915	Federal		S	
WRU EIH 12W-35-8-22	35			4304733393	12528	Federal	GW	P	
WR 13W-3-8-22	03	080S			12528	Federal		P	
OU GB 6W-9-8-22	09	080S		4304733651	13544	Federal	GW	P	
WRU EIH 4W-35-8-22	35			4304734010	13545	Federal		P	
WRU EIH 3W-35-8-22				4304734042	12528	Federal	GW	P	
WRU GB 4WRG-9-8-22	35			4304734044	12528	Federal	GW	P	
WRU EIH 13WX-35-8-22	09			4304734208	4915	Federal	OW	P	
WKU EIH 13 W X-35-8-22	35	0808	220E	4304734210	12528	Federal	GW	P	
WDITERITERIA 25 0 22		2000			13456			ļ <u>.</u>	
WRU EIH 5W-35-8-22	35			4304734572	12528	Federal	GW	P	
OU GB 14W-9-8-22	09			4304734649	13545	Federal	GW	P	
WRU GB 9MU-9-8-22	09			4304734650	13545	Federal	GW	P	
OU GB 10W-9-8-22	09			4304734651	13545	Federal	GW	P	
OU GB 15W-9-8-22	09			4304734678	13545	Federal	GW	P	
OU GB 16W-9-8-22	09			4304734679	13545	Federal	GW	P	
WRU EIH 6W-35-8-22	35	080S	220E	4304734684	12528	Federal	GW	P	
					16723				
GB 11ML-10-8-22	10			4304734691	14818	Federal	GW	P	
WRU EIH 11W-35-8-22	35	080S	220E	4304734708	12528	Federal	GW	P	
WRU GB 5M-9-8-22	09	080S	220E	4304734753	13545	Federal	GW	S	
					14447				
OU GB 12W-4-8-22	04	080S	220E	4304734762	13718	Federal	GW	P	
OU GB 12M-10-8-22	10	080S	220E	4304734769	13545	Federal	GW	P	
WRU EIH 14W-26-8-22	26	080S	220E	4304734835	12528	Federal	GW	TA	
WRU EIH 11MU-26-8-22	26			4304734836	12528	Federal	GW	P	
					13713		.,	1	
WRU EIH 10W-35-8-22	35	080S	220E	4304735046	12528	Federal	GW	P	
				-	15700		• • •	_	
WRU EIH 9MU-26-8-22	26	080S	220E	4304735047	12528	Federal	GW	P	
					14003		· · ·	1	
WRU EIH 15MU-26-8-22	26	080S	220E	4304735048	12528	Federal	GW	P	
WRU EIH 1MU-35-8-22	35			4304735049	12528			P	
WRU EIH 9M-35-8-22	35			4304735050	12528			P	<u> </u>
				.501,55050	14005	1 caciai	G W	*	
WRU EIH 7MU-35-8-22	35	080S	220E	4304735051	12528	Federal	GW	P	
			2202	1501755051	14106	redetai	O W	1	
WRU EIH 1MU-26-8-22	26	2080	220E	4304735118	12528	Federal	GW	P	-
	20	0000	220,2	4504755110	14349	reuciai	UW	r	
WRU EIH 7MU-26-8-22	26	080S	220E	4304735119	12528	Endonal	CW	P	
	20	0005	220L	4304/33119	1 1	Federal	GW	P	
WRU EIH 10MU-26-8-22	26	080S	220E	4304735120	14102 12528	Fadamal	CXV	D	ļ
2011 101110 20-0-22	20	0000	ZZVE	73U4/3314U	1	Federal	GW	P	
WRU EIH 15MU-35-8-22	35	2080	220E	4304735121	14107	Fod1	CIII	D	
Dari 151110-55-6-22	33	0003	220E	4304/33121	12528	Federal	GW	P	
WRU EIH 10ML-23-8-22	23	USUG	2200	A20A725107	14197	E. J. 1	OTT:	D	ļ
Liii 10,WIL-23-0-22	23	0005	220E	4304735187	12528	Federal	GW	P	
WRU EIH 9ML-23-8-22	32	0000	2205	4204725100	14503	7	~		
WING DILL 91VIL-23-0-22	23	0805	220E	4304735189	12528	Federal	GW	S	
					14504				

Bonds: BLM = ESB000024 BIA = 956010693 State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700) WHITE RIVER effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral	type	stat	С
WINITERIAL						lease			
WRU EIH 16MU-26-8-22	26	080S	220E	4304735191	12528	Federal	GW	P	
WRU EIH 2MU-26-8-22	-	0000	2205	1001	14351	1.750.000			
WKU EIH 2WIU-26-8-22	26	080S	220E	4304735192	12528	Federal	GW	P	
WRU EIH 8MU-26-8-22	26	0000	2205	420.4525102	14104				
WKO EIII 8WO-20-8-22	26	080S	220E	4304735193	12528	Federal	GW	P	
WRU EIH 16MU-35-8-22	35	080S	220E	4304735194	14234		CITY	-	
	33	0003	220E	4304/33194	12528	Federal	GW	P	
WRU EIH 8MU-35-8-22	35	0806	220E	4304735195	14198	P 1 1	CITY	-	
Wite Elli 61/10 33 6 22	33	0003	220E	4304733193	12528	Federal	GW	P	
WRU EIH 13MU-25-8-22	25	2080	220E	4304735329	17329 12528	Endonal	CW		
	23	0005	220L	4304733329	1	Federal	GW	P	
WRU EIH 15ML-23-8-22	23	2080	220E	4304735387	14168 12528	Federal	CW	S	
	23	0005	2201	4504755567	14681	rederai	GW	5	
WRU EIH 4MU-25-8-22	25	0805	220F	4304735388	12528	Federal	GW	P	
		0005	220L	7504755566	14339	redetai	GW	P	
WRU EIH 3MU-25-8-22	25	0805	220E	4304735389	12528	Federal	GW	P	
			2202	1304733307	14341	rederat	UW	F	
WRU EIH 12ML-24-8-22	24	080S	220E	4304735425	12528	Federal	GW	P	
		0000	2202	1301735425	14536	rederat	G W	r	
WRU EIH 14ML-24-8-22	24	080S	220E	4304735426	12528	Federal	GW	P	
				1301733120	14646	redetai	OW	1	
WRU EIH 6MU-25-8-22	25	080S	220E	4304735431	12528	Federal	GW	P	
				1001755151	14379	1 caciai	0"	1	
WRU EIH 5MU-25-8-22	25	080S	220E	4304735432	12528	Federal	GW	P	
					14240			-	
WRU EIH 12MU-25-8-22	25	080S	220E	4304735601	12528	Federal	GW	P	
					14214				
WRU EIH 14MU-35-8-22	35	080S	220E	4304735667	12528	Federal	GW	P	†
					14615				
WRU EIH 13ML-24-8-22	24	080S	220E	4304735793	12528	Federal	GW	S	
					14644				
WRU EIH 16ML-23-8-22	23	080S	220E	4304735804	12528	Federal	GW	P	
					14683				
WRU EIH 11ML-24-8-22	24	080S	220E	4304735805	12528	Federal	GW	P	
VIDILEUL CD NO. 05 0 00				·	14540				
WRU EIH 6B-ML-35-8-22	35	080S	220E	4304737299	12528	Federal	GW	P	
3/DITEHL11DM 25 0 22		0000			15281				
WRU EIH 11BML-35-8-22	35	080S	220E	4304737300	12528	Federal	GW	P	
WILLIAM MI 25 9 22		0000	2225	1001-0-12-	15282				
WRU EIH 3D-ML-35-8-22	35	080S	220E	4304737465	12528	Federal	GW	P	
WRU EIH 7D-ML-35-8-22	25	0000	2205	4204727466	15552	·	~		
DIII /D-WIL-33-0-22	35	2000	ZZUE	4304737466	12528	Federal	GW	P	
WRU EIH 4AD-25-8-22	25	080S	220E	4304738636	15637	E-4 1	OII.	D	
100 DIII 7/1D-25-0-22	23	0003	ZZUE	4304/38030	12528	Federal	GW	P	
WRU EIH 7AD-26-8-22	26	080S	220E	4304738637	16651	Fodor-1	CW	n	ļ
	20	6000	ZZUE	+JU4/J00J/	12528	Federal	GW	P	
WRU EIH 6DD-35-8-22	35	2080	220E	4304738640	16579 12528	Federal	GW	P	<u> </u>
	55	2000		1207/20040	14340	reuerai	υW	r	1

Bonds: BLM = ESB000024 BIA = 956010693 State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700) WHITE RIVER effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral	type	stat	C
						lease			
WRU EIH 7AD-35-8-22	35	080S	220E	4304738641	16180	Federal	GW	P	
WRU EIH 14BD-35-8-22	35	080S	220E	4304738642	17143	Federal	GW	OPS	C
WRU EIH 9CD-26-8-22	26	080S	220E	4304738649	12528	Federal	GW	P	-
					16446				
GB 1M-4-8-22R (RIGSKID)	04	080S	220E	4304738990	15879	Federal	GW	P	
WRU EIH 6D-5-8-23	05	080S	230F	4304738994	16415	Federal	GW	P	
WRU GB 13G-3-8-22	03	0805		4304738994					+
					4915	Federal	OW	P	
WRU GB 14G-4-8-22	04	080S	220E	4304740097	4915	Federal	OW	P	
GB 3D-4-8-22R(RIGSKID)	04	080S	220E	4304740345	17099	Federal	GW	P	1

Bonds: BLM = ESB000024 BIA = 956010693 State = 965010695



United States Department of the Interior



BUREAU OF LAND MANAGEMENT **Utah State Office** P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov/ut/st/en.html

IN REPLY REFER TO: 3100 (UT-922)

JUL 2 8 2010

Memorandum

To:

Vernal Field Office, Price Field Office, Moab Field Office Roja L Bankut

From:

Chief, Branch of Minerals

Subject:

Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from Questar Exploration and Production Company into QEP Energy Company is effective June 8, 2010.

cc:

MMS UDOGM

AUG 1 6 2010

DIV OF OIL, SEGRESS